Infor Enterprise Server 10.4 Release Notes

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Contents

About this guide....5
Contacting Infor....5

Chapter 1: Enterprise Server release notes....7
Deployment....7
Platform support....7
Data compression....7
Parallel table reconfiguration....8
MLE shadow table index organization (Oracle only)....8
Default database driver properties....8
Multi-domain support....8
Integrations....8
InContext Modeler....8
Infor LN UI....9
Tools....9
Product Maintenance and Control (PMC)....9
Document Output Management....9
Infor Staging wizard....9
Installation Wizard....10
Connector for Web Services....10
Application Studio....10

Chapter 2: Known issues....11
Table compression....11
Startup menu after installation....11
Messages during ISA installation....11
SLM Messages....12
SLM Warning Source(s) not installed....12
Could not read secu file....12
Bdbvalidate error report....13

Chapter 3: Infor Enterprise Server Technical Notes....15
Operating system and database....15
Infor LN licensing....15
Infor Enterprise Server licensing....16
Runtime licensing....16

Chapter 4: Infor LN 10.4 New Installation Technical Notes....17
Installing Infor LN 10.4....17
Enterprise Server solutions....17
For SLM....17
SLM uninstall leaves some files on the system....18
Startup menu after installation....18

Chapter 5: Upgrade Notes....19
Updating to Infor LN 10.4....19
Post-install step: Customized form fields must have a unique identification assigned....19
Multilanguage data enabling – upgrade from ES 8.4....19
Replacement of ISO 639-2 standard with 8.4.1 release....19
NT package part of Enterprise Server AddOn....20

Chapter 6: Connector for JDBC and ODBC....21
Supported platforms....21

Appendix A: UUID Conversion Personalization....23
Introduction....23
Procedure....24

About this guide

This document provides release notes about Infor Enterprise Server 10.4 compared to Enterprise Server 10.3.

Contacting Infor

If you have questions about Infor products, go to the Infor Xtreme Support portal at http://www.infor.com/inforxtreme.

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

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

Enterprise Server release notes

1

Deployment

Platform support

For details on platform support, see the *Infor Enterprise Server Platform Support Matrix (U9757)* which is available through Infor Xtreme KB 1183466.

Data compression

Infor LN supports table and index compression on SQL Server, Oracle, and DB2 databases.

Note: A database edition that supports compression is required. Depending on the database vendor, this may be a licensed feature.

This table shows the table compression support per database:

Database	Table compression support
SQL Server	LN supports page compression on tables and indexes in SQL Server. An edition that supports compression is required.
Oracle	LN supports advanced OLTP table compression and basic index compression on Oracle databases. **Caution:** Newly inserted data is compressed in the table, but is not compressed in the index. Therefore, you must manually recompress indexes on a regular basis.
DB2	LN supports table and index compression on DB2 databases. An edition which contains the Storage Optimization feature pack is required. Ensure you enabled the licenses for the Storage Optimization Package before you start the LN installation. For more information, see "Table compression" on page 11.

For more information about data compression, see *Infor LN Data Compression (B0050 US)*.

Parallel table reconfiguration

By parallel execution of tasks, you can improve the performance of the reconfiguration of tables during an update. Every configuration operation on a single table is seen as a task. Parallel execution is intended to speed up the reconfiguration of many tables. The minimum number of parallel processes is 1 (sequential behavior), the default is 4, the maximum is 128. You can control the number of parallel processes through the bdbreconfig_parallel resource. For more information, see *Infor Enterprise Server - Technical Manual (U8172)*.

MLE shadow table index organization (Oracle only)

To improve performance, the MLE shadow tables are now organized on index1. For more information, see *Infor LN - Performance, Tracing and Tuning Guide for Oracle Server (B0078)*.

Default database driver properties

To reflect current database behavior, the default database driver properties have been updated.

For the new settings, see the Technical Reference Guide of the appropriate driver.

Multi-domain support

You can now specify the Single Sign On User in LN in the User Principal Format (UPN). For example, `user1@domain1.com`. The SSO user will now be unique over domains.

Integrations

InContext Modeler

You can use a programmable hook in the modeler to determine the relevant drillback session.

Infor LN UI

For details about the HTML5 based LN UI in comparison to Infor ES Web UI, see *Infor LN UI Difference Study (P3669)*.

Tools

The LN Tools now support Source Code Management (SCM) for 'Additional Files'.

Product Maintenance and Control (PMC)

PMC supports the ability to download solutions via http.

Document Output Management

This feature provides electronic distribution of documents and reports to recipients. Recipients can be any known party in the LN environment such as business partners, employees, or system users.

You can specify preferences by document type, by distribution channel, and by recipient. For example, to distribute invoices you can distribute one copy through e-mail to one business partner and a paper copy to another business partner.

For details about the setup and usage, see the *Infor LN Document Output Management User Guide (U9792)*.

Infor Staging wizard

The staging wizard may show this message:

```
The wizard requires that you restart your computer.
```

If you click **Next**, your computer is immediately restarted. If you do not want to restart your computer, click **Cancel**.

Installation Wizard

An LN database can be configured to store data and indices in the same tablespace.

The Infor Support Assistant (ISA) tool is bundled.

Connector for Web Services

The connector supports the ability to block anonymous requests.

LN Studio

LN Studio contains these enhancements / changes:

- Source Code Management (SCM) for Additional Files.
- Remote debugging.
- Generate an IEX patch for an activity.

Known issues

2

Table compression

If you enable table compression during an installation, you must use a database version that enables compression. For DB2, you also must have licensed the compression functionality. If these prerequisites are not met, and the installation is started, the following happens:

- For MSQL and DB2 the LN installation fails, because of incorrect syntax in CREATE_TABLE / CREATE_INDEX commands.
- For Oracle the installer continues with the LN installation but the database tables are not compressed. No message is displayed, although a log message is generated.
- For Oracle the database is out of sync with the database settings in the Storage Parameters Optimization (ttdba0132m000) session. The session has value COMPRESS=1 while the database is not compressed.

Startup menu after installation

After the installation on Unix, the installation user might have the **Tools** menu as startup menu, instead of the Infor LN startup menu (**tccom00000000**). To change this, use the User Data (ttaad2500m000) session.

Messages during ISA installation

These are Infor Support Assistant (ISA) informational installation messages:

```
27: INF: The system is not currently installed (the environment
variables are not set).
63: INFO: Preparing the script file
"./temp/package/scripts/notify-server.sh"...
180: INF: Replacing the file
```

```
"/opt/ISA/HOME/ServiceFailureCheck-net40.exe" with the file
"./package/scripts/ServiceFailureCheck-net40.exe"...
309: INF: Setting the file "/opt/ISA/HOME/notify-server.sh" to be
executable...
378: /opt/ISA/DATA/config/AgentRegistrationConfiguration.xml (No such
 file or directory)
589: java.lang.Exception: HttpInvocation failed with error Code:401,
and Error Description:<error>authorization required</error>
597: SEVERE: java.lang.Exception: HttpInvocation failed with error
Code:401, and Error Description:<error>authorization required</error>
```

These messages are just informational and do not indicate any failure in the ISA installation process.

SLM Messages

FQHN message

When installing SLM on a virtual machine in demo mode, you can get this message in the event viewer.

```
VM restrictions set on incoming connection from system '::ffff:10.21.47.76'.
IP could not be resolved to a FQHN or the resolved domain is not valid for
this SLM Cluster.
```

The SLM Server is installed on a virtual machine with a server name that does not meet the naming convention of a Fully Qualified Hostname.

Note: The LN environment will not work anymore after the thirty days demo license.

SLM Warning Source(s) not installed

These SLM warnings posted in the `log.oiex1288` file are informational messages only:

```
SLM Warning Source(s) not installed, no license for SLM id 7055
SLM Warning Source(s) not installed, no license for SLM id 7026
```

Could not read secu file

You can ignore this message in `log.oiex1288`:

```
SLM Error while reading SLM bic secu file for da 104_0_ta
```

Bdbvalidate error report

In some cases, the bdbvalidate error report can show incorrect column information containing one or more high ASCII character errors. This will be fixed in the next release.

Infor Enterprise Server Technical Notes 3

Operating system and database

For operating system and database-specific notes, see *Infor Enterprise Server - Technical Notes for generic Porting Set*, solution 22923520 available through http://www.infor.com/inforxtreme.

Infor LN licensing

Use these IDs:

- Infor365 Maintenance Contract: 10365

Register as a Concurrent User with a quantity of 1.The end-date you specify is the end-date of your maintenance contract for Infor LN.

Infor LN:

- Infor LN: 10056.
- Infor LN (2): 7114.
- Infor LN (3): 7115.
- Infor LN (4): 7116.

Infor LN Service:

- Infor LN Service: 10896.
- Infor LN Service (2): 7117.
- Infor Business Data Entity Modeler: 7033.
- Infor Business Data Entity Implementation Generator: 7034.
- Infor Business Data Entity Repository: 7035.

Infor Enterprise Server licensing

Runtime licensing

Infor Enterprise Server 8.4 introduced maintenance licensing. To run Enterprise Server 10.4, add the following product-id to your SLM license manager:

- Infor365 Maintenance Contract: 10365

  Register as a Concurrent User with a quantity of 1.

  The end-date you must fill in is the end-date of your maintenance contract for Infor LN.

The following lists contain the Infor Enterprise Server parts with their own product IDs that require licenses to run:

- Enterprise Server: 10996.

  Additional license:

  - Connector for JDBC: 7046.

    This license is required for the use of homepages.
  - Infor LN Connector for Web Services: 7056, server license
  - Invoking BDEs: 7056, server license

Studio licensing (development)

Check solution 22876519 to get a clear description of the required licensing for the Infor LN Studio parts.

You can find the solution through http://www.infor.com/inforxtreme.

Infor LN 10.4 New Installation Technical Notes

4

Installing Infor LN 10.4

This section describes points of attention about a new installation of Infor LN 10.4.

For the complete installation procedure, see *Infor LN - Installation Guide (U9498)*.

Enterprise Server solutions

The Enterprise Server ISO image contains several solutions on top of the Enterprise Server feature pack. These solutions are mandatory and installed automatically, and should not be removed.

For SLM

There are two ways to install Infor Solution License Manager:

- Select this installable unit and the installation wizard will install SLM together with the other selected installable units in one run. The SLM installable unit will install all SLM components on the Infor LN server system. The default values for SLM will be configured. This means a master SLM Server will be started at port number 6005.
- You must use the standalone SLM installer in other situations. Possible situations that require the standalone SLM installer are:
  - Set your own values,
  - Install an SLM server on another system,
  - Only install an SLM client on the Infor LN system as there already is an SLM server present.
  - Install an SLM cluster.

Note that before you can proceed with the Infor LN installation, you must have installed SLM or selected the installable unit of SLM. The installation wizard will run a check on SLM components and will stop the installation if SLM information is not found.

SLM uninstall leaves some files on the system

A full uninstall of the Infor Solution License Manager will leave some files on the system, which must be removed manually. These files will not harm the system, but could cause problems on any following attempt to install the Infor Solution License Manager. All files and directories that remain in the installation directory, which was chosen during install (default `C:\Program Files\SLM\`), can be removed.

Startup menu after installation

After the installation, the installation user might have the **Tools** menu as the startup menu instead of the Infor LN startup menu (tccom00000000). To change this, use the User Data (ttaad2500m000) session.

Upgrade Notes

5

Updating to Infor LN 10.4

This section describes points of attention about an upgrade to Infor LN 10.4.

For the complete update procedure, see *Infor LN - Specific Installation Guide - Updates (U9497)*.

The Enterprise Server ISO image contains several solutions on top of the Enterprise Server feature pack. These solutions are mandatory and installed automatically, and should not be removed.

Post-install step: 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 be converted also. For more information, see "UUID Conversion Personalization" on page 23.

Multilanguage data enabling – upgrade from ES 8.4

Replacement of ISO 639-2 standard with 8.4.1 release

The data languages with ES 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 multilanguage data enabling

(mle) based on Enterprise Server 8.4 will take into account a table reconfiguration of multilanguage enabled tables.

NT package part of Enterprise Server AddOn

The nt package was originally part of the Infor LN packages; because its content is more technology oriented, the delivery with Enterprise Server 8.4 is moved to the Enterprise Server AddOn Installable Unit. The version is now nt_7.6_xx.

The package nt_b61_a has become obsolete.

Connector for JDBC and ODBC

6

Supported platforms

For details on platform support, see the *Infor Enterprise Server Platform Support Matrix (U9757)* which is available through Infor Xtreme KB 1183466.

UUID Conversion Personalization

A

This appendix describes the migration of the session personalization conversion to be executed directly after the installation of LN 10.4. This action is required only if your previous version is FP5 or earlier.

The procedure is applicable for LN UI. This appendix is for system administrators.

Introduction

In FP5 and lower versions, field personalizations could not 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 10.4.0.1 version of the Dynamic Form Editor (DFE), field personalizations will be stored with a UUID.

A conversion is required for the following:

- 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 has been added to exclude form changes caused by the UUID conversion.

The next section describes the procedure for the customized forms to be executed. The procedure is applicable only for VRCs with customized components (sessions/forms).

Procedure

Note the following:

- You only have to perform this procedure if you convert from LN FP5 or a lower version to LN 10.4.
- 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 10.4.0.1. The latest version of DFE can be retrieved via solution 22881485 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:
     1. Session is not based on standard session (full customization): A new UUID is generated.
     2. 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`).