



Infor Enterprise Server Technical Notes for porting set 9.1c

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About this guide

This document provides technical notes about Infor Enterprise Server porting set 9.1b.

In this guide these Infor products are mentioned:

- Infor Baan IVc
- Infor Baan 5.0
- Infor Baan 5.2
- Infor LN

If a situation or issue applies to these Infor products, the products are grouped under one name:

- Infor ERP

Intended audience

This guide is intended for system administrators and consultants who are responsible for implementing or updating Infor ERP. This document contains:

- New features of this porting set.
- Known issues in the porting set.
- Possible performance optimizations.

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 US)*
- *Infor LN - Performance, Tracing and Tuning Guide (U9357 US)*
- *Infor Baan IVc - SLM Adoption on Infor Baan IVc (U9555 US)*
- *Infor Enterprise Server - Technical Reference Guide for DB2 Database Driver (U7829 US)*
- *Infor Enterprise Server - Technical Reference Guide for Oracle Database Driver (U7076 US)*

- *Infor Enterprise Server - Technical Reference Guide for Microsoft SQL Server Database Driver (U8173 US)*
- *Infor Enterprise Server Technical Guide for Unicode Conversion (U8887H US)*

Contacting Infor

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

Chapter 1 Introduction

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This chapter supplies information about the supported operating system and RDBMS versions for these Infor products:

- Infor LN.
- Infor Baan 5.2a.
- Infor Baan 5.0b and 5.0c.
- Infor Baan IVc.

The support described in this document is restricted by the standard support provided by the actual vendor.

Example: Infor will continue to provide support for IBM AIX 7.1 on this porting set if IBM continues standard support for AIX 7.1.

When path names are mentioned in this document forward slashes (/) and back slashes (\) are used. Use back slashes on a Windows OS and forward slashes on UNIX OS and Linux OS.

Moving to 64-bit porting set

A 32-bit porting set can be upgraded to a 64-bit porting set on 64-bit hardware, no additional actions are required. As a normal precaution we recommend that you back up the environment before starting the upgrade.

The 64-bit porting set works with 64-bit addresses and therefore uses more memory than the 32-bit porting set. For more information on sizing, contact your local account manager.

Platform support: x86 based

Infor Baan IVc, Infor Baan 5.0c and Infor LN solutions are supported on Intel and AMD-based x86, AMD64, and EM64T under these conditions:

- The operating system must be an Infor LN-supported platform.
- The hardware must be supported by the operating system vendor.

- Ensure that other required software, such as the RDBMS, is also supported on the platform of your choice.

Performance and tuning

For more information on performance and tuning, refer to Infor Xtreme KB 22881401.

Support Matrix

For the platform support matrix, the supported Java versions, the end-of-service notifications and information about Virtualization support, refer to the latest version of the *Infor Enterprise Server Support Matrix for porting set (U9757)* in Infor Xtreme KB 1183466.

Some porting sets require minimum runtime patches for the OS compiler. Infor Xtreme KB 22895665 provides basic information about your current runtime patch level.

You must install only the runtime patches for the compiler; the compiler itself is not needed.

HP UX 11i

Required OS patches

8.9a.03 is the first porting set build based on HP aC++A6.27.03. Ensure that you install the runtime patches for compiler version A6.27.03 or higher for HP aC++.

Download/install only the *runtime* patches for your operating system version/architecture from the HP website. Read the information on the Web page for details.

If you use the Java interface, for example, if you use Infor Integration, check if the last OS patches are installed.

IBM System AIX

Required OS patches

As of porting set 9.1b the porting set has been built with the XL C/C++ V13.1.3 compiler. Therefore, you must install the accompanying V13.1.3.1 (March 2016 PTF or later) C++ Runtime environment. To download this runtime, go to <http://www-01.ibm.com/support/docview.wss?uid=swg21110831>. IBM has chosen to let the V13.1 runtime to supersede the V12.1 one.

Ensure that your AIX version is at a supported technology level. The lowest supported level progresses as time advances. For more information, see <https://www-945.ibm.com/support/fixcentral/aix/selectFixes?release=7.1&function=release>. At the time of publishing this document, the lowest supported technology levels are AIX 7.1 TL3 and no minimum level for AIX 7.2.

Linux x86

Required OS patches

The porting set has been built with a C++ compiler. Ensure you install, as a minimum, the required RUNTIME for compiler version but not the compiler itself:

- gcc-43-4.3.4
- gcc-c++-4.3-62.200.2
- glibc-2.11.3-17.95.2
- libstdc++-46-4.6.9-0.13.22

Oracle SPARC Solaris

Required OS patches

As of porting set 9.1b, the used compiler is Oracle Solaris Studio 12.4. Ensure that the required (C++) runtime patches for your Solaris version are installed, see:

- For Solaris 10: https://docs.oracle.com/cd/E37069_01/html/E37072/gptch.html (patch 119963).
- For Solaris 11: https://docs.oracle.com/cd/E37069_01/html/E37072/gozsu.html#OSSIGgozvi.
- The only supported Solaris 10 version is the Solaris 10 1/13. Customers are advised to move to Solaris 11.

Oracle

Oracle 12 support

Oracle 12 introduced new collations that match UCA (Unicode Collation Algorithm). See <http://www.unicode.org>. With the introduction of the new UCA collations, it is not required to use the INFOR_GENERIC_M collation for LN installations. So for Oracle 12, INFOR_GENERIC_M is not supported anymore.

For Oracle 12, the minimal size for `db_block_size` is 16k. This is the maximum size for Windows, but not the default size. On Unix/Linux a `db_block_size` of 32k is preferred.

Oracle RAC support

Oracle RAC can be used for high-available systems or solutions where one system cannot handle the load. Customers who implement RAC are expected to solve their own configuration and performance issues concerning RAC, or have clear arrangement about this with a consulting organization. An RAC environment is more complex than a non-RAC environment. Measurements show that locking can take longer, and more total CPU power is required.

Oracle Character Set

Single Byte and Multi Byte installation:

Choose an appropriate character set (NLS_CHARACTERSET) that matches your main language. Do not choose AL32UTF8!

The value of the national character set (NLS_NCHAR_CHARACTERSET) is not relevant.

This table shows some examples for SB/MB:

West European	WE8ISO8859P1 / WE8MSWIN1252
East European	EE8ISO8859P2
Cyrillic	CL8ISO8859P5
Japanese	JA16SJIS
Simplified Chinese	ZHS16GBK
Korean	Ko16KSC5601 / KO16MSWIN949

Unicode installation:

The national character set (NLS_NCHAR_CHARACTERSET) should always be set to AL16UTF16.

The character set (NLS_CHARACTERSET) is not relevant.

SQL Server

SQL 2014

For support with SQL 2014 we have seen some performance problems in case of many concurrent users. If there are more than 2000 users, the system performance drops down. This was solved after installing at a minimum cumulative Update 5.

SQL 2014/2016

SQL Server Native Client (SNAC) is not supported beyond SQL Server 2012. Customers are required to install and use the ODBC client.

EDB

EDB PASS 9.5-Infor

For the use of this database a specific product ID is required. See also KB 1671517 for last minute updates and installation information for this database.

Java options

Raise the maximum heap size; set this value in `$BSE/java/jvm_options`:

- `-Xmx256m`

Supported Java versions

Use the latest available minor version of a major release. For supported major releases, see the support matrix.

If the vendor no longer supports a specific J2SE version, support by Infor will also end.

JVMI-2 on UNIX and Linux

To enable Java for use with Infor Integration, ensure that the path is pointing to the correct JRE, for example, `<JRE install dir>\bin`.

Note for IBM AIX: With JVMI it was required to have `-Djava_compiler=NONE` set. During testing of JVMI-2, this setting was no longer required. However, if you experience problems, ensure that the `#{BSE}/java/jvm_options` file exists and contains `-Djava_compiler=NONE`; setting this will cost performance.

Note for HP: With JVMI it was required to have `-Xusealtsigs` set. During testing of JVMI-2, this setting was no longer required. However, if you experience problems, ensure that the `#{BSE}/java/jvm_options` file exists and contains `-Xusealtsigs`.

JVMI-2 on Windows

To enable Java for use with Infor Integration:

- 1 Download the Oracle JRE versions at <http://www.oracle.com/technetwork/java/index.html>.
- 2 Ensure that the System Environment path is pointing to the correct JRE, for example, *<JRE install dir>\bin*

All platforms: The JAVA_HOME environment variable can be used for JVMI-2 to point to a Java VM. If JAVA_HOME is set to a non-empty value, then the java executable is expected to stay in <JAVA_HOME>/bin. If JAVA_HOME is not set, or empty, then PATH is used to find the java executable. Specify JAVA_HOME in the \$BSE/lib/bse_vars file; for Windows you can also use the "Infor Manager snap in".

Chapter 5 Installing Infor LN or Infor Baan 5.2a

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This chapter describes some requirements or issues you must take into account when installing Infor LN or Infor Baan 5.2a.

Solution License Manager (SLM)

This list shows the SLM Client and Server requirements:

- The version of the SLM Server must be equal to, or higher than, the version of the SLM Clients.
- Before you upgrade to the 64-bit porting set, you must install SLM 7.1.0.4 or later.

The latest version of the SLM software can be retrieved via Infor Xtreme KB 22881484.

Installation procedure

In case of a porting set update, ensure all Infor ERP users have logged off.

Stop the Infor ERP environment, by using `$BSE/etc/rc.stop` on UNIX or the Infor Manager on Windows. All other binaries running against this environment must also be stopped; otherwise the Installation Wizard cannot replace them.

For an update of the Windows porting set, the event viewer must be closed.

For an update on UNIX, you must also stop the `baanlogin` process.

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**.

Updating the Infor LN porting set

As a minimum, installation of this porting set requires Infor Installation Wizard 15.6.9.1.

- 1 From Infor Xtreme KB 22923520, download the appropriate porting set and installation wizard to a temporary folder.
 - On Windows, create a temporary folder on the LN server.
 - On UNIX (remote installation), the temporary folder can reside on your client. For Unix installations, you must stop the environment manually using the standard procedures.
- 2 Stage installable units to your existing staging area.

Double-click <Staging Area>\Start\StartFirst.exe to start the update process.
- 3 In the **Infor Installation** dialog box, click the appropriate link to start the Infor Staging Wizard.
- 4 The **Welcome to the Infor Staging Wizard** dialog box is displayed, click **Next**.
- 5 In the **Source directory name** field, select the name of the temporary folder to which the Installable Units of the Installation Wizard and porting set are downloaded.
- 6 Click **Next**.
- 7 Select the required Installable Units and click **Next**.
- 8 Verify the summary information. To make adjustments in this dialog box, click **Back**. Otherwise, click **Next**.
- 9 A progress bar is displayed. When the stage process has successfully installed the Infor Staging area, click **Next**.
- 10 In the **Infor Installation** dialog box, click the appropriate link to start the Infor Installation Wizard.
- 11 In the **Welcome to the Infor Installation Wizard** dialog box, click **Next**.
- 12 Select the LN environment to be updated and click **Next**.
- 13 Select the **Infor ES porting Set** Installable Unit and click **Next**.
- 14 In the **Select Porting Set** dialog box, select the porting set for the appropriate platform and click **Next**.

The remainder of the steps varies by platform. For information on these steps, see the installer online Help or *Infor LN – Specific Installation Guide - Updates (U9497 US)*.

Chapter 6 Installing Infor Baan 5.0b/c and BaanIVc

6

This porting set can only be used for Infor Baan 5.0b or 5.0c in combination with the 5.0c Tools, when the conditions for upgrading from the 7.1d porting set line are met. For more information, see *User's Guide to Upgrade to Porting Set 8.2b or Later (U8985 US)*.

This porting set can only be used for Infor Baan IVc if the conditions for upgrading from the 6.1c.xx porting set are met. For more information, see *Baan IVc - User's Guide to Upgrade to Porting Set 8.7b or Later (U9677 US)*.

You can retrieve this document from the specific porting set Infor Xtreme KB's. For the specific numbers, see general Infor Xtreme KB 22923521.

Ensure you use Infor Installation Wizard 15.6.5.1 or later, this version also supports a secure ftp connection.

Solution License Manager (SLM)

This list shows the SLM Client and Server requirements:

- The version of the SLM Server must be equal to, or higher than, the version of the SLM Clients.
For BaanIVc:
- If you have an Infor Xtreme support maintenance contract, add product-id 10365 and request for new license activation through Infor Validation.
- SLM requires the installation of these updates:
 - Infor Xtreme KB 22914879: containing 4GL Tools updates.
 - Infor Xtreme KB 22927504 and Infor Xtreme KB 22911301: containing the security files for the Tools and Application packages. These KBs were not available yet at the release of porting set 6.1c.08.

The latest version of the SLM software can be retrieved via Infor Xtreme KB 22881484.

For customers still using a 7.1d.xx porting set, you must complete the procedure described in *Upgrade to Porting Set 8.2b or Later (U8985 US)* before upgrading to an 8.x porting set. This document is available through Infor Xtreme KB 22923519.

For customers still using a 6.1c.xx porting set, you must adopt the SLM license manager; see *Infor Baan IVc - SLM Adoption on Infor Baan IVc (U9555 US)* guide

Adapter for Infor ERP (a.k.a. tmboaserver)

This note is only applicable for customers who use the Adapter for ERP (tmboaserver) and are migrating from the old 6.1c porting set. In that case see KB 22917206 "Integration 6.x Adapter for BaanIV, BaanERP 5.0 and BaanERP 5.2 (tmboaserver)".

Installation procedure

In case of a porting set update, ensure all Infor ERP users have logged off.

Stop the Infor ERP environment, by using \$BSE/etc/rc.stop on UNIX or the Infor Manager on Windows. You must also stop all other binaries running against this environment; otherwise the Installation Wizard cannot replace them.

For an update of the Windows porting set, you must close the event viewer.

For an update on UNIX, you must also stop the baanlogin process.

Updating the Infor Baan 5.0b/c and Infor Baan IVc porting set

As a minimum, installation of this porting set requires Infor Installation Wizard 15.6.9.1.

- 1 From Infor Xtreme KB 22923520, download these components to a temporary folder:
 - Infor Installation Wizard
 - Infor Porting set
- 2 Extract installable units in your temporary folder.
- 3 To start the Installation Wizard, run <temporary folder>\<installation wizard path>\setup\setup.exe
 - On Windows, copy the temporary folder to the LN server.
 - On UNIX (remote installation), the temporary folder can reside on your client. For UNIX installations, you must stop the environment manually using the standard procedures.
- 4 In the **Welcome to the Infor Installation Wizard** dialog box, click **Next**.
- 5 In the **Environment** dialog box, select the 'environment' name to be updated, and click **Next**.
Note: For UNIX, specify a new Environment name.
- 6 In the **Select Installable Units** dialog box, select **Infor ES Porting Set** and click **Next**.
- 7 In the **Select Porting Set** dialog box, select the porting set for the appropriate platform and click **Next**.

- 8** In the **Host name** dialog box, check the Hostname and login name and click **Next**.

The **Hostname** dialog box differs per operating system.

- 9** In the **Destination directory** dialog box, click **Next**.

On UNIX, specify the destination directory of the environment to be updated.

- 10** On UNIX, click **Next** in the **Configuration Files** dialog box.

- 11** When the **Ready to Install** dialog box is displayed, click **Install**.

Chapter 7 Known Issues/Points of Attention

7

This chapter describes generic and specific issues or points of attention.

Generic

This section contains the generic notes.

Infor ES Database Connector

Simultaneously with the release of porting set 9.1a, a new ODBC driver has been introduced for Infor LN/Baan, called the Infor LN ODBC Driver 10.5. This driver is the successor of the OpenWorld-based Infor Integration Connector for ODBC. The Infor LN ODBC Driver 10.5 is now available both in 32-bit and 64-bit. This driver is self-contained, that is, it does not require the “DB Connector” and Infor Integration/OpenWorld anymore. The Infor LN ODBC Driver 10.5 supports Unicode and it allows for enhanced security through SSL-based authentication, with self-signed certificates.

As a result of this, the following applies:

- 1 We strongly recommend that you replace the Infor Integration Connector for ODBC, including the “DB Connector”, with the new Infor LN ODBC Driver 10.5.
- 2 Choose the 32-bit or 64-bit installation so that it matches with your ODBC Consumer architecture.
- 3 Once the Infor LN ODBC Driver 10.5 has been implemented, the ODBC Client part does not contain any porting set components anymore. So, for example, the jbdb executable/binary only runs on the Infor LN/Baan server. Porting set updates are therefore no longer required for the ODBC client part, as used to be the case with the DB Connector. There is no dependency anymore between the Infor LN ODBC Driver and the porting set.
- 4 The Infor LN ODBC Driver 10.5 also supports JDBC, but changes are required to re-use existing JDBC Clients. For more information, see *Infor LN ODBC Driver Administration Guide*.
- 5 The DB Connector installation type of the porting set installable unit has been removed as of porting set 9.1a.

- 6 If the Infor Integration version of the ODBC driver is installed, including the DB connector, the DB Connector part cannot be updated to porting set 9.1a, because it is incompatible. Note that in most cases, the DB connector will not be installed or updated as a separate installable unit because it is silently installed by the Infor ES installer.
- 7 The Infor Integration Connector for ODBC/JDBC, including the “DB Connector”, will no longer be maintained.

Unicode-only mode for new installations

As of porting set 9.1a, the functionality for new installations will be limited to Unicode installations only. The porting set can be used for current non-Unicode installations as an upgrade. For clean installations, however, the only option will be Unicode.

BDBvalidate

With porting set 9.1a, the domain checks for enum domains have been improved. BDBvalidate will report undefined enum values in the data. For existing LN environments this is no problem and no action is required.

Adapter for BaanDB

As of porting set 9.1a, Adapter for BaanDB is not supported anymore. Replacements are available. For questions on this, contact Infor.

UTC40

UTC times are expressed as the number of seconds since January 1, 1970. The maximum time LN could handle is a time on January 19, 2038. Currently Infor is working on a solution to support times up to December 31, 9999. For more information on adoption and required actions, we recommend that you check any new versions of the technical notes. At the moment Infor releases this new UTC40 functionality, KB 1824355 will be made available, which will explain the functionality and required procedures.

OS specific

This section contains the OS specific notes.

HPUX

OpenSSL implementation issue

There is a known problem in the HP-UX OpenSSL implementation that is used by the blogind process of LN. At startup, it produces an informational log message, similar to the message below, in `$(BSE)/log/blogind.log`:

```
***** S T A R T of Information message *****  
  
Log message called from /vobs/tt/nw/samlhandler.cpp: #131 keyword:  
SSLContext::log_error  
  
Pid 27228 Uid 0 Euid 0 Gid 3 Egid 3 Pset root@nlbaucp1:27228  
user_type S language 2 user_name root locale / package_comb  
  
Errno 2 (No such file or directory) bdb_errno 0  
  
Log_mesg: All OpenSSL errors: 0:error:25066067:DSO support  
routines:dlfcn_load:could not load the shared  
library:crypto/dso/dso_dlfcn.c:113:filename(/data/Infor/erplnora/bse/bin/blog  
ind6.2): '/data/Infor/erplnora/bse/bin/blogind6.2' is not a valid load  
module: Bad object file type  
  
0:error:25070067:DSO support routines:DSO_load:could not load the shared  
library:crypto/dso/dso_lib.c:161:  
  
***** E N D of Information message *****
```

The message is harmless and occurs only once when the service is started - normally when the system reboots. The service of the blogind program is unaffected. This issue in OpenSSL will be solved in a next release.

Microsoft Windows

Handling `$BSE\lib\bse_vars` file has changed

As of porting set 9.0b, the variables in the `bse_vars` file take precedence over the Windows registry.

Support for saving BSE environments.

The support for saving BSE environments in Microsoft Active Directory has been removed.

Microsoft Management snap-in for Infor LN

The Microsoft Management snap-in for Infor LN requires administrator rights to be able to start/stop services.

Linux x86 SUSE/Red Hat

Problems to attach to shared memory

To prevent errors while attaching to shared memory, ASLR (Address space layout randomization) must be switched off. The error messages encountered for different binaries are similar to the following messages:

bic6.2: Attaching to address 0x7f0a45ec4000 failed, but calling shmat with NULL succeeds, mapping to: 0x7f0a4290f000.

bic6.2: Set or change shm_start_address resource in shm_config to define the start address of the first SHM segment.

Setting the OS environment LANG

During a fresh OS installation of Linux, the environment variable LANG is set by default. Unset this variable before installing/starting the Infor LN environment. Otherwise this variable causes problems with some characters later on. For more information, see Infor Xtreme KB 1351800.

Database specific

This section contains database-specific notes.

SQL Server

Collation differences

Symptoms:

Sorting on MSQL is sometimes a bit different than expected. For example, refer to these records:

- 98
- 9-9

When sorting these records on MSQL in a Unicode environment, the order will be:

- 98
- 9-9.

When sorting these records on a single byte environment, the order will be:

- 9-9
- 98

This is not a problem we can fix in our driver, but something that is dictated by the MSQL database. The problem is in the Variable Weighting elements. For details, refer to:

http://unicode.org/reports/tr10/#Variable_Weighting

Table 13 of this web page shows an overview of comparison of variable ordering.

What is expected based on the single byte ordering, or in other databases is the ignorable sorting order. However, this option is not provided by MSQL. At this moment the only solution for MSQL is to not use these characters in fields that are used for sorting, or are part of an index.

Oracle

Collation differences

Symptoms:

Oracle could have the same problem as described for MSQL. For Oracle, you can configure this by using the `infor_generic_m` setting. Without this setting Oracle sorts in the same unexpected sorting order as SQL Server; see above.

With Oracle 12 this issue is solved. With this version the collation `UCA_0610_****` should be used. For Oracle 12 `infor_generic_m` is not supported anymore. Refer to Infor Xtreme KB 22853480.

Porting set 9.1b

Default `msql_no_index_hint` changes

For performance reasons, as of porting set 9.1b the default value for the `'msql_no_index_hint'` resource has changed from `'0'` (index hints turned on for some SQL statements) to `'1'` (index hints turned off).

This resource can be manually overridden in, for example, the `'$BSE/lib/db_resource'` file. Customers facing performance issues after installation of this porting set are advised to contact support or re-enable the index hints by setting the `'msql_no_index_hint'` resource to `'0'`. In general, the advice for Microsoft SQL Server is to run without index hints, that is, leave this resource on its new default.

Porting set 9.0c

OpenSSL, cURL

The usage of new versions of OpenSSL and cURL with porting set 9.0c requires KB 1651500 to be installed as well.

Porting set 9.0b

Windows/SQL

As of porting set version 9.0b, installation of LN on Windows/SQL Server now enforces password policies for the used SQL Server database user account. If the provided password does not meet the SQL Server strict password requirements, the SQL user/password combination is rejected and the creation of the database fails. For detailed information about 'enforce password policy', see the Microsoft documentation. The related statement at Transact-SQL level is `CREATE LOGIN CHECK_POLICY=ON`.

Bdbreconfig and bdbpre/bdbpost

As of porting set 9.0b, the bdbreconfig and the bdbpre/bdbpost actions can preserve reference counters when performing export/import actions. If these actions are performed with the complete set of data, the refint process to recalculate the counters is not required. If the data is not imported as a complete set of data, it might still be required to run the repair reference counter session.

Logfile rotation

As of porting set 9.0b, the logging of information of the porting set on UNIX has changed. Prior porting sets performed a rename of the log file to `olg.<name>` after it reached a certain file size level for the current log (`log.<name>`). You can configure the log file size level with the `log_size` resource, in Kb, default value is 512. With the 9.0b porting set this behavior has changed. The log file naming convention becomes `<name>-<sequence>.log`. After a certain file size level has been reached, the log rotates to the next file in sequence, for example from `bshell-001.log` to `bshell-002.log`. The sequence number is limited by a new resource: `log_rotation_count`. After the maximum rotation count level is reached, the log starts again at sequence number 001.

For compatibility reasons, if the operating system and file system support it, a `log.<name>` symbolic link is created, which points to the active `<name>-<sequence>.log`. This symbolic link may be removed in the future. We recommend that you adopt the new name. The current sequence number is also stored in the `<name>.log.lock` file.

You can disable the rotation of log files by setting `log_size` to a negative value or by setting `log_rotation_count` to a value less than 2. If rotation is disabled, the naming convention of log files is `<name>.log` and no symbolic link `log.<name>` is created.

\$BSE/proc directory

As of porting set 9.0a.01, the proc directory is added to the \$BSE environment by the installer. This directory is required for internal tasks of different binaries.

Porting set 9.0a

Advanced Table Compression

From porting set 9.0a Infor LN supports table compression for both data and indices on SQL Server, Oracle, and DB2 databases.

Note: Table compression may require a certain RDBMS edition and/or license key from the RDBMS vendor. The table compression feature should not be enabled in the BSE if the RDBMS version does not support table compression. You can run into installation errors if there is a mismatch between BSE and RDBMS capabilities.

Table compression is not supported for these products:

- Infor Baan4
- Infor Baan5

SQL Server

Infor LN supports page compression on complete tables in SQL Server. An edition is required that supports compression.

Oracle

Infor LN supports only advanced OLTP table compression on Oracle databases. From Oracle version 12.1.0.2 advanced index compression is also supported.

DB2

Infor LN supports table compression on DB2 databases. An edition which contains the Storage Optimization feature pack is required. Please ensure you enabled the licenses for the Storage Optimization Package before you start the LN installation.

Deployment

In case of a new Infor LN installation, you can enable table compression in the Installation Wizard.

You can also enable table compression in an existing Infor LN installation. To enable table compression:

- 1 Start the Storage Parameters Optimization (ttdba0132m000) session and switch table compression on.
- 2 Convert the changes to runtime. The storage_param file is updated.
- 3 Then during the creation of a new table, or reconfig with dump of existing tables, the compression is used for these tables. To force this action, run the Reorganize Tables (ttaad4225m000) session. Tables must be recreated to enable compression. Therefore, select the **Data and Indices** check box. As of Tools 10.4.1, a new option is added to this session: **Compress/Uncompress Data and Indices**.

For more information on compression results, see the *Infor LN Data Compression (B0050)* document. This document is available through Infor Xtreme KB 22881401.