Infor ERP BaanIV / Triton 3.1

Technical Notes Porting Set 6.1c.17

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Contents

About this guide

This document provides technical notes about porting set 6.1c.17.

Intended audience

This guide is intended for system administrators.

Related documents

You can find the documents in the product documentation section of the Infor Xtreme Support portal, as described in "Contacting Infor" on page 7.

- *Infor ERP Baan IVc - SLM Adoption on Infor ERP Baan IVc* (U9555 US)
- *Infor10 ERP Enterprise (LN) - Configure Single Sign On* (U9559 US)
- *Infor Enterprise Server - Installation Guide for ODBC and JDBC Connectors* (U9173 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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For the latest information about this porting set, check solution 22923521 at the Xtreme Online Support Web site at http://www.inforXtreme.com.

To access the solution numbers referenced in this document, go to www.inforXtreme.com. Select Downloads – Baan from the menu, and then search for the respective solution number.

Note: Where path names are mentioned in this document, sometimes forward slashes (/) and backward slashes (\) are used. You should use backward slashes on Windows and forward slashes on UNIX and Linux.

End-of-service notifications

The support described in these notes is restricted by the support provided by the actual vendor.

For example, Infor will provide support for Microsoft Windows 2008 on this porting set as long as Microsoft provides standard support for Windows 2008.

AIX5.3

IBM will no longer support AIX5.3 in April 2012. AIX6.1 will then become the minimum OS version and requires a POWER4 processor. We recommend that customers upgrade to a later version.

DB2 V9.1

Beginning April 2012, IBM will no longer support DB2 V9.1. Customers are advised to upgrade to a newer version.

Tru64

Beginning December 31, 2012, HP will no longer support True64. Customers are advised to upgrade to a different platform.

Oracle 11.1

Beginning August 1, 2012, Oracle will no longer support version 11.1. Customers are advised to upgrade to a later version.

SLES 9

In August 2011, Novell no longer supports version SLES 9. Customers are advised to upgrade to a later version.

Platform support: x86 based

Infor ERP solutions, including Infor ERP BaanIV, are supported on Intel and AMD-based x86, AMD64, and EM64T if the operating system is an Infor supported platform.

Note: Check the Windows section to get specifics on 32-bit and 64-bit database support.

For Linux RedHat and Suse, both 32-bit and 64-bit OS are supported. Be aware that BaanIVc4 is a 32-bit application and therefore needs the 32-bit clients of the selected database and java version.

The operating system vendor must support the hardware. The chosen hardware must minimally support the SSE2 instruction set, which is common for modern processors.

Note: Make sure other required software, such as the RDBMS, is supported on the platform of your choice as well.

Virtual Server support

VMware

The following statements apply to BaanIV Microsoft Windows x86 and Linux x86 distributions:

The following virtual machines are supported with porting set 6.1c.07.21and later:

- Distributions on VMware ESX 3.5 and ESXi 3.5, and vSphere 4
- Distributions on Windows Server 2008 (R2) Hyper-V, and Microsoft Hyper-V Server 2008 R2 (recommended)

When you size the system, take the overhead of the virtual machine into account.

Porting set 6.1c.07.21 and later are supported to run BaanIV on the VMware Server for demo and test purposes. However, benchmarks show that Infor10 ERP Enterprise (LN) in OS environments directly on the hardware performs much better than Infor10 ERP Enterprise (LN) in a VMware Server environment; therefore Infor will not handle performance support calls when BaanIV runs on a VMware Server environment.

32-bit and 64-bit Windows and 32-bit and 64-bit Linux are supported with VMware.

Note: Because the Baan License daemon is not supported in a virtual server environment, this must be set up on a separate non-virtual server. To set up a remote Baan license daemon, see solution 22868904.

SLM is supported in a VMware environment.

VMware Fault Tolerance is not supported.

Disclaimer: The previous support statements of VMware ESX/ESXi 3.5 do not extend to any third-party product. For instance, if the DBMS vendor does not support VMware ESX, the porting set is still supported on VMware ESX, but the DBMS is not. In this case, a solution is to run in 3-tier mode and configure the DBMS on another, non-virtual system.

HP Integrity VM

With porting set 6.1c.07.21 or later, it is supported to run BaanIV with HP-UX on HP Integrity VM for demo and test purposes. Infor will not handle performance related inquiries about running BaanIV with HP-UX in a HP Integrity VM environment; support is limited to test and demo environments.

HP Integrity Virtual Machines with the BaanIV HP-UX IA64 distribution are supported.

Note: Because the Baan License daemon and Infor SLM Server7.1.x (Solution License Manager) are not supported in a virtual server environment, they must be set up on a separate non-virtual server. To set up a remote Baan license daemon, see solution 22868904.

SLM Client is supported in a virtual server environment.

Performance and tuning

For more information on performance and tuning, refer to solution 22881401 at http://www.inforXtreme.com.

Support matrix for Infor ERP BaanIVc4

	Supported OS	Oracle	IBM Informix IDS	IBM DB2	SQL Server	Bisam
		11.1, 11.2	**11.1, 11.5, 11.7**	**9.1, 9.5, 9.7**	**2008 SP1, SP2, SP3** **2008 R2, SP1**	**2.1**
HP PA_RISC HP-UX	11i v1, v2, v3	√	√			√ [32]
HP IA64 HP-UX	11i v2, v3	√ [2 4]	√ [2]			
HP Alpha Tru64	5.1b-4 5.1b-5					√ [32]
Sun SPARC Solaris	10	√	√			√ [32]
IBM Power AIX	5.3, 6.1, 7.1	√	√	√		√ [32]
Linux x86 SUSE	10 SP1, SP2 & SP3, 11 SP1	√ [2]	√ [2]			√ [32]
Linux x86 RedHat (same build as Suse build)	ES/AS 5, 6	√ [2]	√ [2]			√ [32]
Microsoft x86 Windows	2008 SP2 2008 R2, SP1	√ [1 2 32]			√	

√ : Supported only if supported by the actual vendor

These numbers show the supported database versions:

[1] : Oracle 64-bit is supported in 3-tier mode.

[2] : Level 2 database driver only

[4] : The 32-bit Oracle client libraries are not delivered with 11.1.0.6.

[I] : For installation on IDS11.70xC1 different CSDK/Informix Connect is needed, see Page 3-2 for more information.

Databases are supported in 32-bit and 64-bit version unless noted otherwise:

[32] : 32-bit database supported

Note: The Infor Integration Connector for ODBC and JDBC is not supported with Bisam and level 1 databases.

Support matrix for Infor Triton 3.1

	Supported OS	Oracle	IBM Informix IDS	IBM DB2	Bisam
		11.1,11.2	**11.1, 11.5, 11.7**	**9.1, 9.5, 9.7**	**2.1**
HP PA_RISC HP-UX	11i v1, v2, v3	√	√		√ [32]
HP Alpha Tru64	5.1b-4 5.1b-5				√ [32]
Sun SPARC Solaris	10	√	√		√ [32]
IBM Power AIX	5.3, 6.1, 7.1	√	√	√	√ [32]
Linux x86 SUSE	10 SP1, SP2 & SP3, 11 SP1				√ [32]
Linux x86 RedHat (same build as Suse build)	ES/AS 5, 6				√ [32]

√ : Supported only if supported by the actual vendor

Databases are supported in 32-bit and 64-bit version unless noted otherwise.

Only BaanIVc4 is optimized for use with level 2 databases.

[32] : 32-bit database is supported

Naming strategy

Beginning with porting set 6.1c.08, the names of the porting sets are slightly changed. We removed the last extension of the porting set name. Therefore, porting sets after 6.1c.08 are 6.1c.09, 6.1c.10, and so on.

64-bit strategy

64-bit becomes the standard for operating systems, databases and server applications. Because there is already a 64-bit version of the Infor10 ERP Enterprise (LN) porting set, which can also be used for Baan5, Infor has made this porting set from 8.7b.01 also suitable for use with BaanIV.

The 6.1c.xx porting sets

Porting set 8.7b.01 is a replacement for the 6.1c.xx porting sets. We recommend that you migrate to the 8.7b.01 version. See solution 22923520 for release information and the links to the documentation for migration.

We will continue to deliver the 6.1c.xx 32-bit porting sets for the currently supported platforms; however, we plan to deliver fewer releases

The 8.xx porting sets

New developments, such as new platform validations, will be completed in the 8.xx porting sets.

The 8.xx porting set will support licensing based on SLM license manager. Licensing via the license daemon is not supported. Migration to the SLM license manager must be done with the 6.1c.08 or later porting set which supports the SLM license manager and the license daemon.

For the supported 32-bit platforms, a 32-bit porting set will be delivered if these platforms are supported by their vendors.

A Tru64 porting set will not be delivered. This support will be continued via the 6.1c.xx porting sets.

The 8.xx porting sets will not provide support for:

- bisam
- Level 1 database drivers
- Previous implementations of JVMI (JVMI-2 will be supported.)
- Windows/DB2
- Windows/Informix
- Solaris/DB2

Chapter 2 Operating System Notes

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This chapter describes which operating system and database combinations are supported to deploy Triton 3.1 and BaanIV.

Some porting sets require minimum runtime patches for the OS compiler. Solution 22895665 provides basic information on how to determine your current runtime patch level.

You need only install the runtime patches for the compiler. The compiler itself is not needed.

HP PA-RISC HP-UX

Required OS patches

Porting set 6.1c.13 is the first porting set build based on HP aC++ A03.85. Be sure to install, as a minimum, the runtime patches for compiler version A03.85 for HP aC++.

To install the patches, complete the following steps:

- Connect to www.hp.com/go/cpp.
- Select Latest Version and patch information.
- Select your OS version.
- Download and install the runtime patches.

SLM

On HP PA-RISC HP-UX, SLM 7.2.0.4 is not supported; use SLM 7.1.0.4.

HP IA64 (Itanium 2) HP-UX

To use this porting set, you require a license key. Solution 22869383 provides a correction program to add the related commercial function.

To move an Infor BaanIV environment to HP-UX Itanium 2, you must install solution 22869383. Because you require a license key to run the installation, you must run the correction program before you move the BSE environment.

Required OS patches

6.1c.13 is the first porting set build based on HP aC++A6.25. Be sure to install, as a minimum, the runtime patches for compiler version A6.25 for HP aC++.

To install the patches, complete the following steps:

- Connect to www.hp.com/go/cpp.
- Select Latest Version and patch information.
- Select your OS version.
- Download and install the runtime patches.

In addition, Infor recommends that you install the core patches distributed on the extension software media.

IBM System i / System p AIX

Required OS patches

6.1c.14 was the first porting set build based on XL C/C++ ED V10.1 with the October 2010 PTF applied. Therefore, you must install the C++ Runtime Environment, October 2010 PTF or later. IBM delivers only the V11.1 runtime; this runtime is the successor of the V10.1 runtime. The V10.1 C++ runtime environment is no longer delivered. To download this runtime, go to

http://www-01.ibm.com/support/docview.wss?rs=2239&uid=swg21110831

and select the C++ Runtime Environment section.

Ensure that your AIX version is on a supported technology level:

http://www-933.ibm.com/eserver/support/fixes/fixcentral/pfixpacks/

With porting set 6.1c.17 or later, the minimum technology level for AIX 5.3 is 5300-11. For AIX 6.1 the minimum technology level is TL4. For AIX7.1 there are no special requirements for the technology level.

DB2

Make sure the shared library search path LIBPATH of the environment points to the DB2 libraries.

Microsoft x86 Windows

Since 6.1c.07.14 the chosen hardware must minimally support the SSE2 processor instruction set, which is common for modern processors.

Supported OS versions:

- Standard and Enterprise Edition
- Small Business Server

Cluster support Windows

The cluster awareness of porting set 6.1c.12 and later is incompatible with previous porting set releases. If your current porting set is of an older version, run the following commands before the upgrade is started:

- bmscsset.exe remove <bsename>
- bmscsset.exe create <bsename>

The bmscsset.exe tool is typically located in %windir%\baan\bin or in c:\Infor\ERPLN\commonx86\bin.

Porting set 6.1c.12 and later require Installation Wizard 14.0.8.0 or later for cluster installations. Neither older porting sets can be installed on clusters with this version or newer versions of the Installation Wizard, nor newer porting sets with older versions of the Installation Wizard.

Migration of a Windows 2003 cluster to Windows 2008 is not supported.

Only one BSE can be installed on a cluster. Multiple BSEs cannot be enabled for clustering.

Linux x86

Required OS patches

The porting set has been built with a C++ compiler. As a minimum, you must install the RUNTIME for these compiler versions:

- gcc-4.1.0-28.4
- gcc-c++-4.1.0-28.4
- glibc-2.4-31.2
- libstdc++-4.1.0-28.4

You do not need to install the compiler.

Linux x86 Suse

Since 6.1c.07.14 the chosen hardware must minimally support the SSE2 instruction set, which is common for modern processors.

Supported:

- Suse Enterprise Edition (SLES)

If you create an account on your operating system that will serve as Informix account, do not use a capital letter as the first letter for the password. The Informix binary cannot handle a password that starts with a capital letter.

To use this porting set, you require a license key. Solution 22842915 provides a correction program to add the related commercial function.

If you move an existing Infor ERP BaanIV environment from another OS to Linux and you are not using SLM.

Because a license-key is required to perform the installation, install solution 22842915 and run the correction program before you move the BSE environment.

To enable the porting set, complete the following steps:

1. Install solution 22842915.
2. Run the ottcorlinux correction program.
3. Migrate the Infor ERP BaanIV environment to the Linux platform.
4. Activate **Porting Set Linux x86 Suse** in the Maintain Requested System Configuration (ttadv0145m000) session and request a new license key.

We recommend that you use the Sun JRE Java engine.

This porting set supports the remote bisam database and distributed Infor ERP BaanIV application servers.

Linux x86 RedHat

Beginning with porting set 6.1c.07.14, the hardware must minimally support the SSE2 instruction set, which is common for modern processors.

Supported:

- RedHat ES and AS

If you create an account on your operating system that will serve as Informix account, do not use a capital letter as the first letter for the password. The Informix binary cannot handle a password that starts with a capital letter.

To use this porting set, you require a license key. Solution 22842915 provides a correction program to add the related commercial function.

If you move an existing Infor ERP BaanIV environment from another OS to Linux

Because a license key is required for the installation, install solution 22842915 and run the correction program before you move the BSE environment.

To enable the porting set, complete the following steps:

1. Install solution 22842915.
2. Run the ottcorlinux correction program.
3. Migrate the Infor ERP BaanIV environment to the Linux platform.
4. Activate **Porting Set Linux x86 Suse** in the Maintain Requested System Configuration (ttadv0145m000) session and request a new license key.

We recommend that you use the Sun JRE Java engine.

This porting set supports the remote bisam database and distributed Infor ERP BaanIV application servers.

Sun Sparc Solaris / Fujitsu Siemens Sparc Solaris

Required OS patches

Porting set 6.1c.11 is the first porting set build on Sun Studio 12 Update 1. Make sure the minimum required 32-bit shared library patch for C++ for your Solaris version is installed.

http://download.oracle.com/docs/cd/E19205-01/820-7601/gptch/index.html

The shared library patch for C++ from Oracle, patch 119963 or later, is required.

HP Alpha Tru64

If you create an account on your operating system that will serve as an Informix account, do not use a capital letter for the first letter of the password.

SLM

On HP Alpha Tru64, SLM 7.2.0.4 is not supported; use SLM 7.1.0.2.

Required OS patches

Porting set 6.1c.07.10 is the first porting set build on HP C++ V7.1. Make sure the required patches for your Tru64 version are installed.

Check the link below if you require a newer C++ redistribution kit. The redistribution kit must be compatible with V7.1.

ftp://ftp.compaq.com/pub/products/C-CXX/tru64/cxx/CXXREDIST.HTM

Chapter 3 RDBMS Notes

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This chapter provides database-specific information.

IBM DB2

Supported:

- Enterprise Server Edition
- Express Edition
- Workgroup Server Edition
- DB2: V9.1, V9.5, V9.7

Supported in 32-bit and 64-bit mode for UNIX.

Supported in 32-bit mode for Windows.

Validated:

- For DB2 v9.1 fix packs: 3, 4, 5, 6, 7, 8, 9, 10, 11
- For DB2 v9.5 fix packs: 1, 2, 3, 4, 5, 6, 7, 8
- For DB2 v9.7 fix packs: 1, 2, 3, 4

IBM Informix

Supported:

- Informix Ultimate Edition

Supported in 32-bit and 64-bit mode for UNIX.

For installation with IDS 11.70xC1 on Windows this Informix fix is required: APAR IC73135: BACKWARD COMPATIBILITY ISSUE INTRODUCED WITH TRUSTED CONTEXT IMPLEMENTATION IN ESQL/C "

This issue is fixed in newer versions of the Informix CSDK/Informix Connect. Default the Informix CSDK/Informix Connect version that is installed with IDS11.70xC1 is version 3.70xC1. But for correct working at least version 3.70xC2 is needed and should be manually installed. For IBM Power AIX, the minimum version is IDS11.70xC3.

Microsoft SQL Server

Supported:

- SQL Server Enterprise Edition,
- SQL Server Standard Edition
- SQL Server Workgroup Edition

Supported in 32-bit and 64-bit mode.

Level 2 is supported with SQL Server for Infor BaanIVc4.

To enable the level 2 driver when not using SLM:

1. Install solution 22842914.
2. Run the ottcormsql correction program.
3. Click **Activate MSQL Server Level II** in the Maintain Requested System Configuration (ttadv0145m000) session and request a new license key.

SQL Server 2008

Porting Set 6.1c.14

As of porting set 6.1c.14, SQL Server Management Objects (SQL-SMO) is used to create and maintain the SQL Server database. The SQL-SMO package will be installed automatically by the Installation Wizard during the installation or update of the porting set. Microsoft .NET must be installed. For Windows versions earlier than Windows 2008, .NET might not have been installed. In this case, installing SQL-SMO by means of the Installation Wizard will result in a message being displayed in the Windows event viewer. This message states which package must be installed first. Download this package from the Microsoft download site and, after you install it, retry the installation with the Installation Wizard.

SQL-SMO can also be installed manually. This package consists of two .msi files: SQLSysClrTypes.msi and SharedManagementObjects.msi. These files are in the top directory of the porting set Installable Unit.

Porting Set 6.1c.09 – 6.1c.13

If you install BaanIV on SQL Server 2008 or migrate to SQL Server 2008, make sure to install the Microsoft Distributed Management Objects add-on package, SQL_DMO. BaanIV requires this module for SQL Server administration.

SQL_DMO is not part of the SQL Server 2008 installation, but is available on the SQL Server 2008 installation medium. After SQL Server 2008 is installed, search for the SQLServer2005_BC.msi file. There are separate files for 32-bit and 64-bit servers. Select and run the appropriate file for your SQL Server to install the SQL_DMO package. . After you install this package, install the SQL Server 2008 service packs (SP). Check the support matrix in this document for the supported service packs.

Oracle

Supported:

- Oracle Standard Edition
- Oracle Enterprise Edition
- Oracle Standard Edition One

Supported in 32-bit and 64-bit mode for UNIX platforms.

Supported in 32-bit mode For Windows. In 3-tier mode, 64-bit mode is supported.

Oracle RAC support

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

Oracle 11.2 support on 32-bit porting set

Starting with Oracle 11.2, the 64-bit Oracle software does no longer contain a 32-bit client interface.

Customers must install separate 32-bit Oracle client software. Refer to the Oracle installation guides for more details.

An Oracle Database Net service must be configured in such a way that the 32-bit Oracle client installation can access the Oracle database.

The setup of the Infor ERP BaanIVc4 Oracle driver must be based on these resources:

- ORACLE_HOME (of the 32-bit Oracle client installation)
- ORACLE_SERVICE_NAME (the Oracle Database Net service name of the database).

A connection between a 32-bit porting set and an Oracle 11.2 database based on ORACLE_HOME and ORACLE_SID is not possible.

Oracle character set

Infor strongly advises not to use the AL32UTF8 as Oracle character set. Unexpected behavior in BaanIV Single- and MultiByte installations occurs when this Oracle character set is used.

As defined by the UTF-8 standard, not all byte sequences are valid for UTF-8 character encoding.

When data that is inserted ends with a non-ascii character or with a non-ascii character followed by an ascii character, Oracle truncates characters.

This truncation occurs on fixed-char and var-char definitions. Because there are no trailing spaces that mask the problem, the truncation occurs more frequently with varchar definitions. No error condition occurs and the porting set does not detect this issue.

Chapter 4 Java Notes

4

This chapter provides Java specific information.

The recommended version is Java 5.

Java options

We recommend that you raise the maximum heap size. Set these values in $BSE/java/jvm_options:

```
- Xmx256m
```

If the JIT compiler stops responding when you use the Java interface, we recommend that you disable the JIT compiler.

To disable the JIT compiler, set the following value in $BSE/java/jvm_options:

```
-Djava.compiler=NONE
```

Supported Java versions

Verify that the 32-bit java version is installed. Be sure that you install the latest updates for your Java version.

This table shows the Java versions that are supported for each operating system:

OS	Java 1.5	Java 1.6
HP Tru64_Unix	No	No
HP PARISC HP-UX	Yes	Yes
HP IA64 HP-UX	Yes	Yes
IBM Power5/6/7 AIX	Yes	Yes
Linux x86 Suse (Sun JRE) / RedHat	Yes	Yes

Microsoft x86 Windows[1]	Sun JRE	Sun JRE
Sun Sparc Solaris	Yes	Yes

[1] For more information, refer to the “Java Support” section of Microsoft x86 Windows in Chapter 2.

Support of JVMI-2 was introduced in porting set 6.1c.08. See chapter 5. Porting set 6.1c.17 supports only JVMI-2.

HP delivers Java for HP-UX on PA_RISC systems in two versions: Java JRE edition, which is based on the classic C++ runtime, and the JREaa edition, which is based on the standard C++ runtime. If JVMI-2 is used, installing the regular JRE edition will suffice. Alternatively, you can install the JREaa edition.

For more technical information about the differences between these two editions, see http://www.hp.com/go/cpp and search for "C++ runtime environments (-AA and -AP) on HP-UX". This page provides additional information about Java.

Java support 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 System i /System p AIX: With JVMI it was required to have –Djava_compiler=NONE set. During testing of JVMI-2, this setting was no longer required. However, in case you experience problems, ensure that the ${BSE}/java/jvm_options file exists and contains –Djava_compiler=NONE.

Note for HP IA64 / HP PA_RISC HP-UX: With JVMI it was required to have –Xusealtsigs set. During testing of JVMI-2, this setting was no longer required. However, in case you experience problems, ensure that the ${BSE}/java/jvm_options file exists and contains -Xusealtsigs.

Java support: JVMI-2 on Windows

To enable Java for use with Infor Integration, complete these steps:

1. Download the Sun 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.

Chapter 5 New Features

5

This chapter describes the features provided with the latest porting sets. If a porting set number is not given it means there were no new features introduced with that porting set.

6.1c.14 features

DDC, Tax libraries

Starting with porting set version 6.1c.14, the TAX and DDC libraries changed on UNIX. Instead of static libraries, which are also known as archives, these files are now either a shared library for DDC or a binary api6.1 for TAX. Therefore, customers who made an integration on top of TAX or DDC libraries must relink their application. The porting set is shipped with example Makefiles that show how to relink applications. These files are in $BSE/api.

In addition to this step, it may be necessary for DDC to specify the location where the shared library resides. This system-specific environment variable (SHLIB_PATH on HPUX PA-risc and LIBPATH on AIX and LD_LIBRARY_PATH on all other UNIX/Linux Operating Systems) should point to the location where the shared library is stored, which usually is in $BSE/shlib.

For Tax, the api binary dynamically loads the required Tax library, based on the provided arguments to the api binary. This behavior is identical to the api.exe on Windows. You may also need to set the system-specific environment variable to point to the location where the Tax shared libraries are stored.

6.1c.12 features

Check Infor Xtreme maintenance contract

If you use SLM and have an Infor Xtreme maintenance contract, you must add product-id 10365 and request a new license activation through Infor Validation. Porting set 6.1c.12 checks the end date of the maintenance contract. Sessions that are newer than the end date of the maintenance contract can no longer be started.

6.1c.09 features

BWPrint: 2D-barcode support

The BWPrint delivered with this porting set supports printing of 2D-barcodes.

All barcode types provided to the first parameter of the 4-argument variant of the Baan 3GL bc$() function in the range of 1000-2000 are considered to be 2D-barcodes. The other variants of bc$() do not support 2D-barcodes. The actual number of barcode types that can be displayed in BWPrint is limited by the third-party barcode dll's.

To use the 4-argument variant of the bc$() function, the porting set version must be 6.1c.07.09 or later.

The Online Help menu for BWPrint includes a 2D-barcode test.

6.1c.08 features

JVMI-2

JVMI is the interface for Enterprise Server to communicate with java. JVMI is used mainly by Infor Integration.

JVMI-2 is now supported. The previous implementation of JVMI is no longer supported.

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

SLM license manager

Support for licensing based on the SLM license manager as an optional alternative for the license daemon-based licensing.

If you use products that use SLM (BCLM) licensing, such as Infor Integration (OpenWorld), ensure that you have installed SLM 7.1.0.2 as a minimum. It is advised to install the latest version.

The latest version of the SLM software can be obtained through solution 22881484 on www.inforXtreme.com.

To adopt the SLM license manager, refer to *Infor ERP Baan IVc - SLM Adoption on Infor ERP Baan IVc* (U9555 US).

If you have an infor Xtreme maintenance contract, add product-id 10365 and request a new license activation through Infor Validation.

SLM requires that you install these solutions:

- Solution 22914879, which includes 4GL Tools updates.
- Solutions 22927504 and 22911301, which includes security files for the Tools and Application packages. These solutions were not available at the release of porting set 6.1c.08.

Infor Security integration

Porting set 6.1c.08 is enabled to integrate with Infor Security to support single sign on. For details, refer to *Infor10 ERP Enterprise (LN) - Configure Single Sign On* (U9559 US).

This feature requires that you install solution 22917253.

Chapter 6 Known Issues

6

This chapter describes known issues when upgrading from an earlier porting set version.

Generic

SLM

If you use products that use SLM (BCLM) licensing, such as Infor Integration (OpenWorld), be sure that SLM 7.1.0.2 or later is installed. We recommend that you install the latest version.

SLM 7.x is available via solution 22881484: Latest version of SLM (Infor Solution License Manager).

Virtual Servers: License manager not working

The Baan license daemon will not run in an OS based on a virtual server.

Infor Integration Connector for ODBC and JDBC

The Infor Integration Connector for ODBC and JDBC is not supported with bisam and level 1 databases.

OS specific

Windows

Upgrade of BaanIVc4 from Windows Server 2003 to Windows Server 2008 is not supported.

BaanIVc4 must be freshly installed on Windows Server 2008 because of major differences between Windows Server 2003 and Windows Server 2008.

IW 14.0.3.0 or a later version must be used for this installation. The Windows master image containing this IW version and porting set 6.1c.11 is available for download from the Infor Global Download Center. You can use the new media with porting set 8.7b.01 and IW 15.0.6.0 for this installation.

Messaging from bshcmd to bshell

From porting set 6.1c.10, the messaging from bshcmd to bshell is changed.

The resource “no_ipc_msg_window” became meaningless, and therefore is replaced with the new resource “no_ipc_messaging.” If “no_ipc_messaging” has a non-zero value, bshcmd cannot be used to send messages to the bshell. The default value of “no_ipc_messaging” is zero, which means that messaging is enabled.

No cluster support yet on Windows Server 2008

Windows Server 2008 support is introduced in porting set 6.1c.11 but cluster updates from Windows 2003 to 2008 are not supported.

Missing Visual C runtime DLLs

During installation, this message may be displayed: “The Visual C runtime DLL's are maybe not yet installed (see technical notes porting set).”

To apply the required runtime DLLs, run vcredist_x86.exe.

RosettaNet Enabling Kit

If the BaanIVc4 environment runs on a Windows platform and the integration with the Infor RosettaNet Enabling Kit is required, be sure to install the Microsoft dll MSVCP60.dll.

The Microsoft DLL MSVCP60.dll can be downloaded from solution 22899049.

HP-UX

Issue

HP patch PHSS_33037 introduces a problem, resulting in a malfunctioning porting set. You must install HP patch PHSS_35379 or its successor to correct the problem introduced in PHSS_33037.

Hostname length limited to max 20 characters

HP-UX 11.23.05.05 and later support extended hostname lengths. BaanIV does not support host names beyond 20 characters in length.

Solaris

Adapter for BaanDB

The Adapter for BaanDB can end abnormally. To resolve this issue, set this environment variable:

```
CORE=1
```

Use of dbgjvmi

When enabling dbgjvmi logging on Sun, the bshell ends abnormally with a stacktrace.

Linux

BaanLogin does not work with NIS accounts

When BaanLogin is used, NIS does not work as an authentication mechanism. Only local accounts or PAM authentication works.

HP Alpha Tru64

SLM 7.1.0.4 and higher does not work

If you use SLM for licensing, ensure that you use SLM 7.1.0.2.

Database specific

DB2

Possible deadlock

DB2 may run into a deadlock if MultiConnect=3 mode (in db2cli.ini) was enabled for one single DB2 session (for example one bshell session). This problem appears in DB2 versions currently supported. Refer to your IBM support contact to get a fix for the following APARs:

- V9.1 APAR IZ12147
- V9.5 APAR IZ12148

History

BDBAPI: Cameo examples removed

The bdbapi interface, in which the client is available as a separate download, is not a strategic interface.

Starting with 6.1c.13, the following files are no longer delivered as part of the porting set:

- The BDBAPI shared library/DLL interface (from $BSE/shlib)
- The bic_cstub binary (from $BSE/bin)
- The cameo and cint examples ($BSE/api/examples)
- Some accompanying libraries ($BSE/api/lib) and header files ($BSE/api/include)

These files are obsolete. The preferred way to integrate with Baan 4c is to use ODBC/JDBC. Refer to *Infor Enterprise Server - Installation Guide for ODBC and JDBC Connectors* (U9173 US).

6.1c.08, 6.1c.09

Libidn missing on RedHat Linux

Porting sets 6.1c.08 and 6.1c.09 contain a dependency of the libidn system library (Internationalized Domain Name support). This library is not installed by default on RedHat Linux. Therefore, the porting set binaries do not start. To resolve this issue, install the 32-bit version of the libidn module on RedHat Linux. The required version of this module is libidn-0.3.7-64.1 or later.

Porting set 6.1c.10 does not include the libidn dependency.

Chapter 7 Updating a Porting Set

7

This chapter describes the procedure to update a porting set in an existing BaanIV environment on Windows.

Make sure you have the porting set available. You can download it via solution 22923521.

Prerequisite

If you use products that use SLM (BCLM) licensing, such as Infor Integration (OpenWorld), verify that SLM 7.1.0.2 or later is installed. We recommend that you install the latest version.

SLM 7.x is available via solution 22881484.

Installation on Windows

Preparation

Run the self-extracting executable to unpack the files in a temporary folder.

Porting set 6.1c.07.14 and later require the visual studio 2005 SP1 runtime libraries.

Before you can update the porting set, do the following:

- Ensure that all bshells are stopped.
- Stop any SLM servers that are running on the same system.
- Close the Eventviewer. This ensures that the baanmsg.dll is not locked.
- Ensure that you are logged in with an account that has Windows Administrative rights, preferably baan.

On the system where you want to install the porting set, complete these steps:

1. Start the installer by running :
   ..\InstallationWizard\setup\setup.exe
2. On the **Welcome** dialog box click **Next.**
3. In the **Environment** dialog box select the BSE environment to update, and click **Next.**
4. On the Select Installable Units dialog box select Infor ES Porting Set and click Next
5. On the **Select Porting Set** dialog box click **Next.**
6. On the **Host Name** dialog box click **Next.**
7. Verify the Destination directory and click Next.
8. On the **Ready to Install** dialog box, check the settings and click **Install.**
9. If Baan-related services are running, you will be prompted to stop the services.
10. On the Installation Completed dialog box, click **Finish.**

The logic and shared memory service are automatically restarted at the end of the installation.

Installation on UNIX/Linux

Beginning with porting set 6.1c.07.06, the complete porting set is delivered as a compressed tar file. See these examples:

- PA.3659.tar.Z
- PA.XXXX.tar.gz, (for the LINUX porting set)

The PA-number of the porting set uniquely identifies the porting set. Each porting set build has a unique PA number.

Before installation, ensure the following:

- Users are logged off the system.
- There are no running Baan jobs.
- Baan Login daemon service is stopped.

To install the porting set, complete the following steps:

1. Download the porting set compressed file applicable for your Operating System, and copy it to your **$BSE** directory.
2. Ensure you log on with an account that has administrative rights, such as root.
3. To unpack the PA.XXXX.tar.Z file in a temporary folder, run the following command:

   compress -d $BSE/PA.XXXX.tar.Z

   For LINUX, use the following command to uncompress the file:

   gunzip $BSE/PA.XXXX.tar.gz.

4 To check that all users are logged off, use the following command:

ps -ef | grep bshell |grep -v grep

If no bshell process is found, no one is logged in.

5 Change directory to **$BSE/etc**, and stop the environment by running the following command:

./rc.stop <enter>

6 If not stopped by the rc.stop displayed in the "stop-information", stop the license daemon and Baan Login. Run the following commands:

$BSE/bin/licmon6.1 -k

$BSE/bin/blogind6.1 -k

This will kill the primary license daemon.

7 Change the directory to **$BSE**. To revert back to the old porting set if problems occur, create backup files:

- Copy the $BSE/bin directory to $BSE/bin.old.
- Copy the $BSE/api directory to $BSE/api.old.
- Copy the $BSE/lib directory to $BSE/lib.old.
- Copy the $BSE/java directory to $BSE/java.old.
- Copy the $BSE/shlib directory to $BSE/shlib.old.
- Copy the $BSE/include6.1 directory to $BSE/include6.1.old.

Note: Do not move the lib directory; runtime files will be lost, which prevents you from using the environment.

8 To check the contents of the tar file without installing, run the following:

tar tvf PA.XXXX.tar

If not, unpack the new porting set files in **$BSE** as follows:

tar xvf PA.XXXX.tar

If you run this command, the following directories are unpacked:

- api
- bin
- java
- include6.1
- lib
- shlib

The current contents of these directories will now be overwritten.

9 To set the correct permissions, you must run the **binperm6.1** script. Change the directory to **$BSE/bin** and run the command:

sh binperm6.1

Note that the binperm6.1 script does not change permission to bsp:bsp of the $BSE/bin/ directory.

10 If you use TBASE(TP), you must remove the file $BSE/lib/tbase/tbase_open.

When you run $BSE/etc/rc.start, a tbase_open file is created.

11 Remove the PA.XXXX.tar files. If you want to keep the files, move them to another location.

12 Check permissions of the new installed files in **$BSE/lib**.

13 Change directory to **$BSE** and run the following command:

find . -user <number> -exec chown bsp:bsp {} \; -print

On Linux:

find . -nouser -exec chown bsp:bsp {} \; -print

14 Ensure that the following files have executable rights:

- $BSE/shlib/libjvm2bvm.sl
- $BSE/shlib/libjvm2bvm.so
- $BSE/shlib/libjvm2bvm.a

Run the command:

chmod a+x libjvm2bvm.*

15 If you use TBASE(TP), check permissions of the files in **$BSE/lib/tbase**. The owner of these files must be tbase.

16 Change the directory to **$BSE/etc**. To start the environment, execute the following command:

./rc.start <enter>.

17 Before you release the system to the users, check that the system runs correctly.

Revert back to the previous porting set on UNIX/Linux

There are two ways to revert back to the previous porting set:

- Follow the installation instructions described in previous section, and install the old version.
- Revert back to the saved porting set on your system.

If you followed the installation instructions previously described to save the porting set, and you want to revert back to the old version, complete the following steps:

1 Log in as **root**.

2 To check that all users are logged off, type the following command:

ps -ef |grep bshell |grep -v grep

If no bshell processes are found, no one is logged in.

3 Change the directory to **$BSE/etc,** and stop Baan/Triton by executing the following command:

./rc.stop <enter>.

4 If not stopped by the rc.stop displayed in the "stop-information", stop the license daemon and Baan Login. Run the following commands:

$BSE/bin/licmon6.1 -k

$BSE/bin/blogind6.1 -k

Note: This will kill the primary license daemon.

5 Change the directory to **$BSE**.

- Move the $BSE/bin directory to $BSE/bin.curr (mv $BSE/bin $BSE/bin.curr).
- Move the $BSE/api directory to $BSE/api.curr.
- Move the $BSE/lib directory to $BSE/lib.curr.
- Move the $BSE/java directory to $BSE/java.curr.
- Move the $BSE/shlib directory to $BSE/shlib.curr.
- Move the $BSE/include6.1 directory to $BSE/include6.1.curr.

6 Revert back to the old files:

- Move the $BSE/bin.old directory to $BSE/bin.
- Move the $BSE/api.old directory to $BSE/api.
- Move the $BSE/lib.old directory to $BSE/lib.
- Move the $BSE/java.old directory to $BSE/java.
- Move the $BSE/shlib.old directory to $BSE/shlib.
- Move the $BSE/include6.1.old directory to $BSE/include6.1.

7 To ensure that all the permissions are correct, run the script binperm6.1. Change to the **$BSE/bin** directory and execute the following command:

sh binperm6.1

8 If you use TBASE(TP), remove the $BSE/lib/tbase/tbase_open file.

When you run $BSE/etc/rc.start, a tbase_open file is created.

9 Check permissions of the installed files in **$BSE/lib**.

10 Change directory to **$BSE** and run the following command:

find . -user <number> -exec chown bsp:bsp {} \; -print

On Linux:

find . -nouser -exec chown bsp:bsp {} \; -print

11 Ensure that the following files have executable rights:

- $BSE/shlib/libjvm2bvm.sl
- $BSE/shlib/libjvm2bvm.so
- $BSE/shlib/libjvm2bvm.a

Run the following command:

chmod a+x libjvm2bvm.*

12 If you use TBASE(TP), check permissions of the files in **$BSE/lib/tbase**. The owner of these files must be tbase.

13 Change the directory to **$BSE/etc**, and start the environment by executing the following command:

./rc.start <enter>.

14 Before you release the system to the users, check that the system runs correctly.

Chapter 8 Deprecation Notes

8

This chapter identifies areas in the porting set that will not be supported in the future.

JVMI

JVMI is the interface for Enterprise Server to communicate with java. JVMI is used mainly by Infor Integration.

In porting set 6.1c.08, JVMI-2 is supported. For porting sets 6.1c.17 and later, the previous implementation of JVMI is no longer supported.

BCK and BCBE

The support for the BaanConnectKit (BCK) and BCBE was dropped in December 2007. The porting set 6.1c.17 will no longer include BCK/BCBE-related binaries for Unix. These binaries are as follows:

- Bshellxma6.1
- idl_compiler6.1
- csapi_compiler6.1
- calc6.1
- atpcheck6.1