Infor Baan IV / Triton 3.1
Technical Notes Porting Set 6.1c.19

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Contents

About this guide

This document provides technical notes about porting set 6.1c.19.

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 Baan IVc - SLM Adoption on Infor Baan IVc* (U9555 US)
- *Infor Enterprise Server Single Sign On User Guide (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 www.infor.com/inforxtreme.

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.

Infor Porting Set

This will be the last 6.1c.xx porting set. Maintenance will continue on the 8.x porting sets. Customers are advised to upgrade to porting set 8.7b.01 or later.

After end of December 2012 Infor will no longer ship the Informix driver as part of the standard 8.x porting set. The Informix driver will be available on request only. Contact Infor Xtreme support for this. The 6.1c.19 porting set will still include the driver, but when migrating to 8.x porting sets the Informix driver will not be included anymore.

HP PA Risc

As of this porting set, HP PA Risc 11.11 and 11.23 are no longer supported. Customers are advised to upgrade to HP IA64.

Tru64

On December 31, 2012, HP withdrew support for Tru64. Customers are advised to upgrade to a different platform.

IBM IDS

On September 30, 2012, IBM withdrew support for IDS11.1. We recommend that customers upgrade to a later version.

Oracle 11.1

On Aug 1, 2012, Oracle withdrew support for Oracle 11.1. We recommend that customers upgrade to a later version.

Platform support: x86 based

Infor solutions, including Infor Baan IV, 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 Red Hat and SUSE, both 32-bit and 64-bit OS are supported. Be aware that Baan IVc4 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.

Performance and tuning

For more information on performance and tuning, see solution 22881401 at www.infor.com/inforxtreme.

Support Matrix

For the support matrix, supported Java versions, and Virtualization support, see the last version of the *Infor Enterprise Server Support Matrix for porting set (U9757)*. The last version of this document can be found in KB 1183466 22881401 at www.infor.com/inforxtreme.

Support matrix for Infor Baan IVc4

	Supported OS	Oracle	IBM Informix IDS	IBM DB2	SQL Server	Bisam
		11.2	**11.5, 11.7**	**9.5, 9.7**	**2008 SP2, SP3** **2008 R2, SP1**	**2.1**
HP PA_RISC HP-UX	11i 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	6.1, 7.1	√	√	√		√ [32]
Linux x86 SUSE	10 SP1, SP2 & SP3, 11 SP1	√ [2]	√ [2]			√ [32]
Linux x86 Red Hat (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.

[l] : 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
		11.2	**11.5, 11.7**	**9.5, 9.7**	**2.1**
HP PA_RISC HP-UX	11i v3	√	√		√ [32]
HP Alpha Tru64	5.1b-4 5.1b-5				√ [32]
Sun SPARC Solaris	10	√	√		√ [32]
IBM Power AIX	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 Baan IVc4 is optimized for use with level 2 databases.

[32] : 32-bit database is supported

64-bit strategy

64-bit becomes the standard for operating systems, databases, and server applications. There is already a 64-bit version of the Infor Enterprise Server porting set, which can also be used for Baan5; therefore Infor has made this porting set from 8.7b.01 onwards also suitable for use with Baan IV.

The 6.1c.xx porting sets

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

The delivery of the 6.1c.xx porting sets will end by February 2013. This release will be the last release.

The 8.xx porting sets

New developments, such as new platform validations, will be completed only for 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 until February 2013. This porting set, 6.1c.19, will be the last version that also includes a build for Tru64.

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 Baan IV.

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.

Customers are advised to upgrade to HP IA64. This porting set no longer supports 11.11 and 11.23. Only 11.31 is still supported with this porting set.

SLM

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

HP IA64 (Itanium 2) HP-UX

To move an Infor Baan IV environment to HP-UX Itanium, 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.18 was the first porting set build based on XL C/C++ ED V11.1 with the April 2012 PTF applied. Therefore, you must install the C++ Runtime Environment, November 2011 PTF or later. To download this runtime, open the following URL and select the C++ Runtime Environment section:

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

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.18 or later, the minimum technology level for AIX 6.1 is TL6 (6100-06). For AIX7.1, TL0 is the minimum version.

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.

With Installation Wizard 14.0.8.0 or later you cannot install older porting sets on clusters. With older versions of the Installation Wizard you cannot install newer porting sets on clusters.

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 Baan IV 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 Baan IV 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 Baan IV application servers.

Linux x86 Red Hat

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

Supported:

- Red Hat 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 Baan IV 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 Baan IV 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 Baan IV 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 119963-13 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 and later are 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

3

This chapter provides database-specific information.

IBM DB2

Supported:

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

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

Validated:

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

IBM Informix

Supported:

- Informix Ultimate Edition

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

For IDS 11.70 on IBM Power AIX, the minimum version is IDS11.70xC3. For other platforms, the minimum version is IDS 11.70xC2.

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 Baan IVc4.

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, 2008 R2

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.

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 Baan IVc4 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

For a 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 for Infor ERP.

In case of a Unicode installation, the value of the character set (NLS_ CHARACTERSET) is not relevant for Infor ERP.

Choose AL16UTL16 as value of the national character set (NLS_NCHAR_CHARACTERSET).

Some examples for SB/MB:

- West European WE8ISO8859P1 / WEMSWIN1252

- East European EE8ISO8859P2
- Cyrillic CL8ISO8859P5
- Japanese JA16SJIS
- Simplified Chinese ZHS16GBK
- Korean Ko16KSC5601 / KO16MSWIN949

Chapter 4 Java Notes

4

This chapter provides Java specific information.

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 1.6	Java 1.7
HP Tru64_Unix [2]	No	No
HP PARISC HP-UX	Yes	No
HP IA64 HP-UX	Yes	Yes
IBM Power5/6/7 AIX	Yes	Yes
Linux x86 SUSE (Oracle JRE) / Red Hat	Yes	Yes

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

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

[2] For HP Tru64_Unix, Java 1.4 can be used.

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.

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.

JVMI-2 on Windows

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

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.

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. This is the last porting set for the 6.1c release. Therefore no new features are introduced anymore. For new features, see the 8.x porting sets that replace the 6.1c releases.

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 daemon 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 Baan IVc4 from Windows Server 2003 to Windows Server 2008 is not supported.

Baan IVc4 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.

Missing Visual C runtime DLLs

During installation, this message may be displayed: “The Visual C runtime DLLs 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 Baan IVc4 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. Baan IV 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 later do 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 this APAR:

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).

Chapter 7 Updating a Porting Set

7

This chapter describes the procedure to update a porting set in an existing Baan IV 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 Event Viewer. 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.

6.1c.xx porting set releases

This is the last 6.1c.xx porting set that will be released. Therefore we advise customers to upgrade to the 8.x porting sets.