Technical Notes Porting Set 6.1c.07.16

be enterprising

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About this Guide

This document provides Technical Notes to inform you about the porting set 6.1c.07.16.

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In your e-mail, refer to the document code and title. More specific information will enable us to process feedback efficiently.

Chapter 1
Introduction

1

For last-minute notes in regard to this porting set, check solution 15219 at the Infor365 Online Support site:

http://www.infor365.com

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 2003 on this porting set as long as Microsoft provides standard support for Windows 2003.

BCK and BCBE

The support for the BaanConnectKit (BCK) and BCBE will be dropped by December 2007. Customers are advised to plan migration to Infor Integration.

Oracle 9.2

Support for Oracle 9.2 is ended July 2007 by Oracle. Customers are advised to plan migration to a later version.

SUSE 8

Support for SUSE Linux Enterprise Edition 8 will be dropped by Novell November 2007. Customers are advised to plan migration.

Microsoft JVM

The support for the Microsoft JVM will be dropped by December 2007. Customers are advised to move to the Sun JRE.

Business Objects Crystal 10

Support for Crystal Enterprise is dropped June 8, 2007 by Business Objects.

Fujitsu-Siemens MIPS Reliant UNIX

Support for Fujitsu-Siemens MIPS Reliant UNIX will end December 2008. Customers are advised to plan the upgrade to another platform.

Hardware support

Infor ERP LN solutions, including Infor ERP Baan IV, are supported on Intel and AMD-based x86, AMD64, and EM64T under the following conditions:

- The operating system must be an Infor supported platform.

Note:

Check the Windows section to get specifics on 32/64 bits database support. For Linux RedHat and Suse both 32 and 64 bits OS are supported. Be aware that Infor 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.

For Windows, check the Microsoft HCL list:

http://www.microsoft.com/whdc/hcl/default.mspx

For Suse Linux, check Novell's hardware requirements:

http://www.novell.com/products/linuxenterpriseserver/sysreqs.html

Note: Infor cannot guarantee that the information will be available on the provided links. These links are provided merely for your convenience.

Support matrix for Infor ERP Baan IVc4

	Supported OS	Oracle	IBM Informix IDS	IBM DB2	SQL Server	Bisam
		10.1, 10.2	**7.31, 9.40, 10**	**8.1, 8.2, 9**	**2000, 2005**	**2.1**
HP PA_RISC HP-UX	11i v2, v3	+	+			+[32]
HP IA64 HP-UX	11i v2, v3	+[2]	10[2]			
HP Alpha Tru64	5.1b-3, 5.1b-4	10.1	+			+[32]
Sun SPARC Solaris	9, 10	+	+	+		+[32]
IBM Power5 AIX	5.2, 5.3	+	+	+		+[32]
Linux x86 Suse	SLES 8, 9, 10	+[2]	[9.40, 10][2]			+[32]
Linux x86 RedHat	ES 4, AS 4	+[2]	[9.40, 10][2]			+[32]
Microsoft x86 Windows	2003 [3]	+[2 32 *]	+[32]	+[32]	+	
Fujitsu-Siemens MIPS Reliant UNIX	5.45		7.31, 9.40 ***(on request)***			+[32] ***(on request)***

[*] : Oracle 64 bits supported in 3-tier mode

[2] : Level 2 database driver only

[3] : 64 bits Windows only supported in combination with SQL Server

Databases are supported in 32 and 64 bits version unless noted otherwise:
[32] : 32 bits database supported

Support matrix for Infor Triton 3

	Supported OS	Oracle	IBM Informix IDS	IBM DB2	SQL Server	Bisam
		10.1, 10.2	**7.31, 9.40, 10**	**8.1, 8.2, 9**	**2000, 2005**	**2.1**
HP PA_RISC HP-UX	11i v2, v3	+	+			+[32]
HP Alpha Tru64	5.1b-3, 5.1b-4	10.1	+			+[32]
Sun SPARC Solaris	9, 10	+	+			+[32]
IBM Power5 AIX	5.2, 5.3	+	+	+		+[32]
Linux x86 Suse	SLES 8, 9, 10					+[32]
Linux x86 RedHat	ES 4, AS 4					+[32]
Fujitsu-Siemens MIPS Reliant UNIX	5.45		7.31, 9.40 ***(on request)***			+[32] ***(on request)***

[*] : Oracle 64 bits supported in 3-tier mode

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

[32] : 32 bits database supported

Chapter 2
Operating System Notes

2

This chapter describes which operating system and database combinations are supported to deploy Triton 3 and Baan IV.

Some Porting sets require minimum runtime patches for the OS compiler. Solution 205538 provides basic information on what your current runtime patch level is.

HP PA-RISC HP-UX

Required OS patches

6.1c.07.14 was the first porting set built based on HP aC++ A03.71. Be sure to install, at a minimum, the runtime patches for compiler version A03.71 for HP aC++. See the following link:

http://h21007.www2.hp.com/dspp/tech/tech_TechSoftwareDetailPage_IDX/1,1703,1743,00.html

For 6.1c.07.12 or later you must install HP-UX patch PHSS_33033 for HP-UX 11.11.

If you use the Java interface, for example, when you use Infor Integration, check the following link for patches:

http://www.hp.com/products1/unix/java/patches/index.html

Java 1.4 and Java 1.5 support

To enable java 1.4:

1. Make sure the LD_PRELOAD is set. Take the following steps:
   a. Create a script, for example bshell_j14, in $BSE/bin with the following content:
   #!/bin/ksh
   export DS_AS=bshell_j14
   export LD_PRELOAD=/opt/java1.4/jre/lib/PA_RISC2.0/hotspot/libjvm.sl:/opt/java1.4/jre/lib/PA_RISC2.0/hotspot/libjsig.so
   $BSE/bin/bshell6.1 “$@”
   b. Create a new bshell entry in the $BSE/lib/ipc_info like bshell_j14 that points to the script.

      Simply copy the bshell entry and change the entries. For example:
      `bshell_j14  s  0  0  p  ${BSE}/bin/bshell_j14`
   c. Make sure the bshell name in the BW configuration is: bshell_j14.
2. Make sure the file ${BSE}/java/jvm_options exists and contains: -Xusealtsigs
3. Make sure the SHLIB_PATH in ${BSE}/lib/bse_vars points to the Java 1.4 libraries:

   SHLIB_PATH=/opt/java1.4/jre/lib/PA_RISC2.0:/opt/java1.4/jre/lib/PA_RISC2.0/hotspot:/opt/java1.4/jre/lib/PA_RISC2.0/native_threads

To enable java 1.5, a similar procedure is needed as for java 1.4.

Due to a bug in Java 1.5, however, you must run the following command once:

```
chatr -B deferred -B nonfatal bshell6.1
```

You must run this program as root and no bshells must be running when you run this program.

HP IA64 (Itanium 2) HP-UX

Usage of this porting set requires a license key. Solution 146337 provides a correction program to add the related commercial function.

If you move an existing Infor Baan IV environment from another OS to HP-UX Itanium 2:

Be sure to install solution 146337 and run the correction program *before* you move the BSE environment, because you cannot perform subsequent installation when you do not have the required license-key.

Required OS patches

6.1c.07.14 was the first porting set built based on HP aC++A6.13. Be sure to install as a minimum the *runtime* patches for compiler version A6.13 for HP aC++.

Procedure:

- connect to www.hp.com/go/cpp
- Select 'Latest Version and patch information'
- Select you OS version
- Download and install the green marked runtime patches

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

If you use the Java interface, for example, when you use Infor Integration, check the following link for patches:

http://www.hp.com/products1/unix/java/patches/index.html

Java support

To enable Java 1.4:

1 Make sure the LD_PRELOAD is set. Take the following steps:

a Create a script, for example bshell_j14, in $BSE/bin with the following content:
#!/bin/ksh
export DS_AS=bshell_j14
export
LD_PRELOAD=/opt/java1.4/jre/lib/IA64N/hotspot/libjvm.so:/opt/java1.4/jre/lib/IA64N/hotspot/libjsig.so
$BSE/bin/bshell6.1 "$@"

b Create a new bshell entry in the $BSE/lib/ipc_info like bshell_j14, pointing to the script.

Simply copy the bshell entry and change the entries, for example:

```
bshell_j14   s  0  0  p  ${BSE}/bin/bshell_j14
```

c Make sure the bshell name in the BW configuration is bshell_j14.

2 Make sure the file ${BSE}/java/jvm_options exists and contains -Xusealtsigs.

3 Make sure LD_LIBRARY_PATH in ${BSE}/lib/bse_vars points to the Java 1.4 libraries:
LD_LIBRARY_PATH =/opt/java1.4/jre/lib/IA64N:/opt/java1.4/jre/lib/IA64N/hotspot:/opt/java1.4/jre/lib/IA64N/native_threads

To enable java 1.5, a similar procedure is needed as for java 1.4.

IBM Power5 AIX

Required OS patches

6.1c.07.14 was the first porting set built based on XL C/C++ ED V8.0.0.5. Make sure the required XL C/C++ Enterprise Edition V8.0.0.5 library runtime patches or later are installed:

http://www-306.ibm.com/software/awdtools/xlcpp/support/

DB2 UDB

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

Java 1.4 and java 1.5 support

Make sure the file ${BSE}/java/jvm_options exists and contains:
-Djava.compiler=NONE

Sun Sparc Solaris / Fujitsu Siemens Sparc Solaris

Required OS patches

Porting set 6.1c.07.09 was the first porting set built on Sun Studio 10. Make sure the required 32-bit shared library patch for C++ for your Solaris version is installed.

http://docs.sun.com/source/819-0485/patches.html

Make sure the following Sun OS patches are installed:

Solaris 9:

- patch 111711

Java 1.4 and java 1.5 support

Make sure the file ${BSE}/java/jvm_options exists and contains: -Xusealtsigs.

Make sure the LD_LIBRARY_PATH in ${BSE}/lib/bse_vars points to the Java 1.4 or java 1.5 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 version:

- Windows 2003 SP1, SP2 + R2
  - Standard and Enterprise Edition
  - Small Business Server

Important note for BCK customers:

The Windows porting set 6.1c.07.12 was the last porting set supporting BCK. With the Windows porting set 6.1c.07.13 and later BCK is not delivered anymore.

The 6.1c.07.12 porting set code will be the base for resolving issues for customers using the BCK integration.

Java support

In the future, Microsoft will discontinue support for Microsoft Java Virtual Machine. See http://www.microsoft.com/mscorp/java/.

Therefore, the porting set by default supports the Sun JRE on Windows.

Both MS JVM and SUN JRE will be supported for a while to enable a smooth transition.

Support for MS JVM will be removed in a future release of the porting set, according to the end-of-support by Microsoft.

To enable the Sun JRE, take the following steps:

1. Install the Sun JRE
2. Make sure the System Environment PATH variable contains the following paths:
   - Required path of the JRE, for example: <*JRE install dir*>\bin
   - Required path of the hotspot library, for example<*JRE install dir*>\bin\hotspot (java1.3)
   - Required path of the jvm.dll, for example <*JRE install dir*>\bin\client (java 1.4 and java 1.5)
   - C:\Baan\shlib, assuming default installation of Baan
   - C:\Baan\bin, assuming default installation of Baan

Caution: To activate these variables, you must restart Infor BaanIV.

To avoid having to restart Microsoft Windows, you can add or adjust the PATH variable to the environment variables in the Baan NT Manager:

To enable the Microsoft JVM:

- Configure the use of the Microsoft JVM for the Baan ERP environment:
  - Add use_msjava_dll:1 to the $BSE\lib\defaults\bshell file.

    or:
  - Use USE_MSJAVA_DLL=1 as environment variable.

    The default value of this variable is **0**, which enables the Sun JRE.

Linux x86 Suse

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

Porting set 6.1c.07.14 wa the first porting set optimized for the SSE2 processor instruction set.

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 142799 provides a correction program to add the related commercial function.

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

Be sure to install solution 142799 and run the correction program before you move the BSE environment, because you cannot perform subsequent installation when you do not have the required license-key.

To enable the porting set, take the following steps:

1. Install solution 142799.
2. Run correction program ottcorlinux.
3. Migrate the Infor ERP 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.

   Infor recommends the Java engine Sun JRE.

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

Upgrade from porting set 6.1c.07.04

To upgrade from porting set 6.1c.07.04, you require a new validation key. Two procedures are possible:

Standard procedure:

Use this procedure if you can perform the installation during office hours:

1. Inform Infor Validation, Infor.Validation@infor.com, that they can expect a new key request and that you expect the request to be handled quickly.
2. Install the new porting set using the standard procedure.
3. Request a new validation key, wait for the response from Infor validation, and rebrand the environment.

   The advantage of this method is that you use standard procedures. Note, however, that this procedure requires close cooperation with Infor Validation if uptime of the environment is important.

High-availability procedure:

With this procedure, the new key request is separated from the actual porting set implementation.

Key request:

1. Unpack the porting set in a separate directory.
2. Create a new directory <*temp BSE env*>/bin and copy the file <*new porting set*>/bin/brand6.1 to this directory.
3. Start a BW connection with the following setting in the **Command** field:

```
-- -set BSE_BIN=<temp BSE env>/bin
```

4. Follow the steps of the process to request a new license key up to and including the step “Print the requested system configuration.”
5. Send the key request to Infor Validation, Infor.Validation@infor.com, and wait for the response.

Installation:

6. Install the porting set by means of the standard procedure.
7. Run the Maintain Security Code / Validation Key session and create a new brand file.

Informix

Informix IDS 9.40 requires a minimum of Suse 8 Service Pack 3.

Informix 10 requires a minimum of Suse 9.

Oracle

Suse SLES 8 with SP3 is recommended as a minimum.

Linux x86 RedHat

Since 6.1c.07.14 the chosen 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 142799 provides a correction program to add the related commercial function.

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

Be sure to install solution 142799 and run the correction program before you move the BSE environment, because you cannot perform subsequent installation when you do not have the required license-key.

To enable the porting set, take the following steps:

1. Install solution 142799.
2. Run correction program ottcorlinux.
3. Migrate the Infor ERP Baan IV environment to the Linux platform.
4. Activate **Porting Set Linux x86 Suse**[1] in the Maintain Requested System Configuration (ttadv0145m000) session and request a new license key.

   It is recommended to use the Java engine Sun JRE

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

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 as the first letter for the password.

The Informix binary cannot handle a password that starts with a capital letter.

Required OS patches

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

---

[1] For RedHat the same porting set build is used as for Suse.

Check the following link 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

Before you use the combination HP Tru64/Informix 7.31, be sure to install Informix patch IDS 7.31.FD1 or later.

Fujitsu Siemens Mips Reliant UNIX

The porting set for Reliant UNIX is available on request. Contact your support representative.

Chapter 3
RDBMS Notes

3

This chapter provides database specific information.

IBM DB2

Supported:

- DB2: V8.1, V8.2, 9

Supported in 32 and 64 bits mode for Unix.

Supported in 32 bits mode for Windows.

For DB2 v8.1, 8.2: As a minimum Infor advices FP13

IBM Informix

Supported:

- Informix IDS: 7.31, 9.40, 10 Enterprise Edition

Supported in 32 and 64 bits mode for Unix.

Supported in 32 bits mode for Windows.

Informix 10, HP-UX only

It is recommended to install IDS 10FC5 or later, which positively impacts performance.

IDS FC5 can crash or hang sometimes. Workaround is to disable read ahead feature in Informix. Therefore the RA_PAGES parameter in the onconfig file must be set to 0.

Informix 7.31

The minimum required patch level required is IDS 7.31.FD1

Informix 9.04

For performance reasons we recommend 9.40.C.08 or higher

Informix 10

For performance reasons 10.00 C04 or higher is recommended.

Microsoft SQL Server

Supported:

- SQL Server 2000, 2005

Enterprise Edition, Standard Edition

Workgroup Edition in combination with Windows 2003 Small Business Server.

- SQL Server 2000 SP3a, SP4
- SQL Server 2005 SP1

Supported in 32 and 64 bits mode.

Level 2 is supported with SQL Server 2000 and 2005 for Infor Baan IVc4.

To enable the driver:

1. Install solution 142802.
2. Run correction program ottcormsql.
3. Click **Activate MSQL Server Level II** in the Maintain Requested System Configuration (ttadv0145m000) session and request a new license key

SQL Server 2005

If you migrate to SQL Server 2005, make sure to install SQL_DMO as part of the SQL Server 2005 installation, because BaanIV requires this module for SQL Server administration.

Oracle

Supported:

- Oracle SE/EE 10.1, 10,2
  - Standard Edition
  - Enterprise Edition
  - Standard Edition One

Supported in 32 and 64 bits mode for Unix platforms

For Windows supported in 32 bits mode.

Chapter 4
Java Notes

4

This chapter provides Java specific information

Java options

It is recommended that you raise the maximum heap size. Set the following values in $BSE/java/jvm_options:

```
- Xmx256m
```

Supported Java versions

Use the latest available minor java version of a major version.

For example:
from the major release 1.4, currently the latest minor release is 1.4.2

OS	Java 1.4	Java 1.5	Java 6
HP Tru64_Unix	Yes	No	No
HP PARISC HP-UX	Yes	Yes	No
HP IA64 HP-UX	Yes	Yes	No
IBM Power5 AIX	Yes	No	No
Linux x86 Suse (Sun JRE) / RedHat	Yes	Yes	No
Microsoft x86 Windows[1]	Sun JRE (recommended)	Sun JRE (recommended)	No
Microsoft x86 Windows[1]	MS JVM 3167 and higher		No
Sun Sparc Solaris	Yes	Yes	No
Fujitsu-Siemens Sparc Solaris	Yes	Yes	No

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

Validation will be expected shortly after the release of this porting set.

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.07.16 Clean up shared memory

With previous porting sets it was required to empty shared memory (BSE/lib/srdd_tab6.2) and restart shared memory before installing new PMC solutions.
The porting set is improved in this area; the shared memory manager will check if objects in shared memory are still valid. If not, due to installation of new objects, the objects from disk are used.

6.1c.07.13 features

[Unix/Linux] Shared memory allocation changed

With porting set 6.1c.07.13 the allocation of a shared memory segment is changed. The memory segments are allocated dynamically instead of based on the predefined addresses in $BSE/lib/shm_param with a default fixed size.

Use previous shared memory manager behavior

It's also possible to fall back to the previous shared memory behavior, thus by using the binary shm_values6.2 and the parameter file $BSE/lib/shm_param

Do so by adding the following line to $BSE/lib/defaults/all

```
shm_compat_mode:1
```

6.1c.07.12 features

PAM Pluggable Authentication Module(s)

Only applicable for the UNIX and Linux flavors:

With this porting set the blogin daemon is enabled to use PAM authentication if configured on OS level.

Informix: update statistics

The Informix driver will now automatically update the IDS statistics, having a positive impact on database performance.

6.1c.07.10 features

Adjustable log size

By default the size of the logfiles in $BSE/log is 512k. When the log file exceeds that size it will move the logifle to type olg and start writing from scratch.

With the newly introduced resource ‘log_size’ the size of the log files can be adjusted. The default value is: 512

JVMI version

With the following command:

```
java -cp bjvmi.jar BJVMIVersion
```

the JVMI version will be provided.

Chapter 6
Known issues / Points of attention

6

This chapter describes known issues as well as points of attention when upgrading from an earlier porting set version.

[Informix] IDS 10.00.xC6

A new feature called INDEX_SELFJOIN is introduced by IBM. This feature needs to be enabled in the Informix **onconfig** file and can improve performance of Infor products. More details can be found :

http://publib.boulder.ibm.com/infocenter/idshelp/v10/index.jsp?topic=/com.ibm.docnotes.doc/uc6/ids_perf_docnotes_10.0.html

Windows: Missing Visual C runtime DLL's

During installation you may get the message: "The Visual C runtime DLL's are maybe not yet installed (see technical notes porting set)."

Apply these required runtime dll's by running the vcredist_x86.exe

HP-UX Issue

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

6.1c.07.13

bdbpre/ bdbpost option –q

The –q option of bdbpre and bdbpost has been identified as a redundant and confusing option. The –E and –O option deliver the same functionality. Therefore, the –q option is not available anymore.

Windows: Bentman.exe

The bentman interface for managing Baan IV related Windows services is not delivered anymore with porting set 6.1c.07.13 and later. The same functionality is offered via the baanman snapin (c:\windows\baan\bin\baanman.msc).

[Informix] IDS 10 FC5

IDS FC5 can sometimes crash or hang. The workaround is to disable the read ahead feature in Informix. Therefore the RA_PAGES parameter in the onconfig file must be set to 0

[Virtual Servers] License manager not working

Although not formally supported some customers have their ERP environment deployed in a virtual server environment. Be aware that the license daemon will not run in an OS based on a virtual server.

[Solaris] Adapter for BaanDB

The Adapter for BaanDBB can crash. To resolve this set the environment variable

```
CORE=1
```

[Solaris] Use of dbgjvmi

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

[Linux] BaanLogin doesn’t work with NIS accounts

When BaanLogin is used NIS wil not work as authentication mechanism, only local accounts or PAM authentication work.

To upgrade from a porting set prior to 6.1c.07.12

Suse 8 and 9 compiler incompatibility

The Suse 9 compiler is not compatible with the Suse 8 compiler. Therefore you will receive errors when you try to build a C++ application on Suse 9 or later including porting set libraries because this porting set is build on SLES 8.

Java: Crashes JIT compiler

If the JIT compiler stops responding when you use the Java interface, it is recommended that you disable the JIT compiler.

To do so, set the following value in $BSE/java/jvm_options:

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

Oracle 10.2

When first using Oracle 10.2 a message can occur to inform you that the shared libraries are not available.

In that case, check the file permissions for ‘others’ on settings of the Oracle install directory, especially the lib and client directories.

To upgrade from a porting set before 6.1c.07.08 (Oracle with Solaris/Tru64/HP-UX PA-RISC)

For the operating systems Solaris, HPTru64 and PA-RISC HP-UX the binding with the oracle client is changed from static to shared library based. The advantage is that you are now able to use the Oracle client appropriate for your environment, rather than depend on the client libraries used during the build of this porting set.

If Oracle is running on a system other than your Infor ERP environment (like Baan IV), take the following steps to prepare your environment:

1. Prepare the Oracle connection from the ERP system to the Oracle instance.
2. Make sure the appropriate Oracle client is installed on the ERP system.
3. Configure OracleNet on the ERP system to point to your Oracle instance.
4. Check if this connection is working, for instance, using sqlplus on the ERP system to connect to your Oracle instance.

   In all cases:

5. If you made manual changes to $BSE/lib/ora/oracle_home, make sure these are reflected in the configured oracle communication.
6. Run $BSE/bin/ora_update. This script will remove $BSE/lib/ora/oracle_home and perform some other adjustments.
7. Test the environment.

InstallShield-based BW removed, since 6.1c.07.08

Infor provides an MSI-based BW installation. This BW installation is a replacement for the IS3-based BW installation, which is no longer delivered.

Microsoft JVM, upgrade before 6.1c.07.08

The Sun JRE has become the default JVM in porting set 6.1c.07.08. If you still want to use the Microsoft JVM, be sure to make the following adjustments in the environment:

Configure the use of the Sun JRE for the Baan ERP environment:

- Add use_msjava_dll:1 to the $BSE\lib\defaults\bshell file

Or:

- Use USE_MSJAVA_DLL=1 as environment variable.

Recreate shm_values, upgrade before 6.1c.07.07

With porting set 6.1c.07.08, the layout of the shm_param file is changed, so if you upgrade from a porting set before 6.1c.07.08, plan the following action:

After you install this porting set, you must recreate the shm_param file. This file can be found in the directory; **$BSE/lib**.

You must run shm_values6.1 and redirect the output to shm_param.

The reason for this recreation is that in the shm_param file, shared memory parameters are stored that are related to the version of your operating system. In the past, this relation was stored incorrectly.

Range expression validation

With porting set 6.1c.07.09, the validation of domain range expressions has been extended with additional logging.

Until now, the porting set tolerated particular domain range constructions, which are actually incorrect and can lead to behavior other than that intended by the developer.

The validation of domain ranges is improved so that from now on erroneous range definitions are reported.

Examples of range definitions that are reported include:

- **[c-a]**
  Reported as a problem because **A** comes before **C**. During runtime, only **C** will be selected.

  By using **[a-c],** the developer receives the range of A, B, and C.

  The expression to specify A or C or a hyphen is: **[c\-a]** or **[-ac]**.

- **[_-.]**
  Again, in the range, the dot comes before the underscore. During runtime, only the underscore is selected.

  By using **[.-_],** the developer selects the range of dot up until underscore.

Or:

The user perhaps wanted to have the selection of dot, underscore, and dash. In that case, the user can use **[_.\-] [underscore dot backslash dash].**

Because dash is a special character, in the range definition, the dash is preceded by a backslash to indicate that the character must be handled as a range character.

Erroneous range definitions are reported as a domain: range expression error 60.

HP-UX: 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.

Oracle 9.2.0.6 and 10.1.0.4

At the time this porting set was released, an issue with Oracle 9.2.0.6 and 10.1.0.4 existed. After you upgrade to this Oracle patch, you probably will not be able to log on again and receive error 7413 (ORA-6413).

Check solution 200328 for the latest information on this issue.

RosettaNet Enabling Kit, Windows-only issue

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 through solution 147212.

Oracle 7 driver

The Oracle 7 driver has been removed since porting set 6.1c.07.06.

Chapter 7
Windows: To update 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, for instance by downloading it via solution 15219 on http://onepoint.infor.com

Installation procedure

Preparation

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

Porting set 6.1c.07.14 and later need the visual studio 2005 SP1 runtime libraries. If they are not installed yet on your environment run the following command before installing the porting set:

```
..\i386-Windows2003\vcredist_x86.exe
```

Installation

Before installation, make sure all bshells are stopped.

If you have an SLM server running it's required to stop that and be sure to close the Eventviewer if you have that open. During the installation the c:\windows\baan\bin\baanmsg.dll is updated and this dll can be locked by SLM Server and Eventviewer.

Make sure to be logged in with an account having Windows Administrative right, preferable 'baan'.

On the system where you need to install the porting set:

1. Start the installer by executing:
   InstallationWizard\setup\setup.exe
2. On the **Welcome** dialog box click **Next**
3. In the **Environment** dialog box select the BSE environment that needs to be updated and click **Next**
4. On the **Select Installable Units** dialog box, select the porting set and click **Next**
5. On the **Select Porting Set** dialog box click **Next**
6. On the **Location** dialog box, click **Next**
7. On the **Host Name** dialog box click **Next**
8. Verify the Destination directory and click **Next**
9. On the **Ready to Install** dialog box, check the settings and click **Install**
10. If Baan related services are still running the installer will detect that and ask for confirmation to stop them.
11. On the 'Installation Completed' screen, click **Finish**

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

Chapter 8
Deprecation Notes

8

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