



▶▶ SSA® Baan ERP 5.0b / 5.0c

Technical Notes Portingset 7.1d.07

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About this Guide

This document provides Technical Notes to inform you about portingset 7.1d.07.

Send us your comments

We continually review and improve our documentation. Any remarks/requests for information concerning this document or topic are appreciated. Please e-mail your comments to documentation@ssaglobal.com.

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

The support described in these notes is restricted to the support provided by the actual vendor. SSA Global, for example, provides support for Microsoft Windows 2000 on this portingset as long as Microsoft provides standard support for Windows 2000.

End-of-service notifications

Be aware that Oracle will withdraw standard support for Oracle 8.1.7 at the end of 2004. Customers are advised to plan migration to a later version.

Be aware that Microsoft will withdraw support for Windows NT in December 2004. Customers are advised to plan migration to a later version.

Be aware that IBM has withdrawn support for DB2 UDB V7.2. Customers are advised to migrate to a later version.

HP PA-RISKS HPUX

Supported:

- HP-UX 11i v1 (11.00 and 11.11)

Supported RDBMS:

- Oracle 8.1.7, 9.2, 10g
- Informix IDS 7.31, 9.40
- DB2 UDB 8.1 (SSA Baan ERP 5.0c only)

Required OS patches

Make sure to install one of the following runtime library patches, or later:

- PHSS_26945: s700_800 11.x HP aC++ -AA runtime libraries
- PHSS_26946: s700_800 11.11 HP aC++ -AA runtime libraries

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

If you use the Java interface, for example, when you use SSA Technical Architecture, check the following link for patches:

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

Java 1.4 support

To enable Java 1.4, take the following steps:

- 1 Make sure the LD_PRELOAD is set. You can arrange this in one of the following ways:
 - Create a script with the following content:


```
#!/bin/ksh
export LD_PRELOAD=/opt/java1.4/jre/lib/PA_RISC2.0/hotspot/libjvm.sl
$BSE/bin/bshell6.2 $@
```
 - Create a new bshell entry in the \$BSE/lib/ipc_info like bshell_j14, pointing to the script
 - Copy the bshell entry and change the entries, for example:


```
bshell_j14 s 0 0 p ${BSE}/bin/bshell_j14
```
 - Make sure the bshell name in the BW configuration is bshell_j14
 - Make sure the BW configuration is: -set LD_PRELOAD=""
- 2 Make sure the file \${BSE}/java/jvm_options exists and contains -Xusealtsigs
- 3 Make sure the \${BSE}/lib/bse_vars points to the Java 1.4 libraries
- 4 Make sure 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
```

HP IA64 HP-UX

Supported:

- HP-UX 11.23

Supported RDBMS:

- Oracle 9.2, 10g

SSA Baan ERP 5.0c installation media is not adjusted at this moment to support installation on this platform.

SSA Baan ERP 5.x environment from another OS to HP Itanium

If you move an existing SSA Baan ERP 5.x environment from another OS to HP Itanium, the use of this portingset requires a license key. Solution 143963 provides a correction program to add the related commercial function.

Be sure to install solution 143963 and run the correction program before you move the BSE environment, because you cannot perform the installation afterwards due to the required license key.

Required OS patches

If you use the Java interface, for example, when you use SSA Technical Architecture, check the following link for patches:

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

Java support

To enable Java 1.3, take the following steps:

- 1 Add the following entry to \$BSE/java/jvm_options:

```
-Djava.library.path=<BSE>/shlib
Use full path instead of $BSE or ${BSE}
```

To enable java 1.4:

- 2 Make sure the LD_PRELOAD is set. You can do so in the following way:

- Create a script with the following content:


```
#!/bin/ksh
export LD_PRELOAD=/opt/java1.4/jre/lib/IA64N/hotspot/libjvm.sl
$BSE/bin/bshell6.2 $@
```
- Create a new bshell entry in the \$BSE/lib/ipc_info like bshell_j14, pointing to the script:

Copy the bshell entry and change the entries, example:

```
bshell_j14      s      0      0      p      ${BSE}/bin/bshell_j14
```
- Make sure the bshell name in the BW configuration is: bshell_j14

- Make sure in the BW configuration is: -set LD_PRELOAD=""
- 3 Make sure the file \${BSE}/java/jvm_options exists and contains: -Xusealtsigs
- 4 Make sure the \${BSE}/lib/bse_vars points to the Java 1.4 libraries
- 5 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*

HP Alpha Tru64

Supported:

- Tru64 4.0f, 4.0g, 5.1b, 5.1b-1

Supported RDBMS:

- Oracle 8.1.7, 9.2, 10g
- Informix IDS 7.31, 9.40

Required OS patches

Check the following link if a newer C++ redistribution kit is required.

The redistribution kit must be compatible with V6.5-032:

<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.

Linux x86 Suse

Supported:

- SuSe SLES 8

Supported RDBMS:

- Oracle 9.2, 10g
- Informix IDS 9.40

Informix IDS 9.40 requires minimal Suse 8 Service Pack 3.

If you create an account on your operating system that will serve as Informix accounts, 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.

To move an existing SSA Baan ERP 5.0b/c environment from another OS to Linux

To move an existing SSA Baan ERP 5.0b/c environment from another OS to Linux, Be sure to install solution 145335 and run the correction program before you move the BSE environment, because you cannot install afterwards due to the required license key.

IBM PowerPC AIX

Supported:

- AIX 5L 5.1, 5.2 and 5.3

Supported RDBMS:

- Oracle 8.1.7, 9.2, 10g
- Informix IDS 7.31, 9.40
- DB2 UDB 8.1

Required OS patches

Make sure the required c++ runtime library patches are installed:

<http://www-1.ibm.com/support/docview.wss?uid=swg24001467>

Java 1.4 support

Make sure the file `${BSE}/java/jvm_options` exists and contains:

`-Djava.compiler=NONE`

IBM iSeries OS400

Supported:

- OS400 V5R1, V5R2, i5/OS V5R3

Supported RDBMS:

- DB2 integrated version

Required OS patches

To run on V5R3, you must install PTF pack 4272.

Java 1.2 support

Make sure the file `${BSE}/java/jvm_options` exists and contains:

`-Djava.version=1.2`

Sun Sparc Solaris/Fujitsi Siemens Sparc Solaris

Supported:

- Solaris 8 and 9

Supported RDBMS:

- Oracle 8.1.7, 9.2, 10g
- Informix IDS 7.31, 9.40
- DB2 UDB 8.1 (SSA Baan ERP 5.0c only)

If you use bshellxma6.1, make sure the related patches are installed:

<http://docs.sun.com/source/817-0642/patches.html>

Required OS patches

Solaris 8: Make sure the following Sun OS patches are installed:

- patch 109147
- patch 108434
- patch 108827

Java 1.4 support

Make sure the file `${BSE}/java/jvm_options` exists and contains:

`-Xusealtsigs`

Make sure the `${BSE}/lib/bse_vars` points to the Java 1.4 libraries

Microsoft x86 Windows

Supported:

- NT 4.0, Windows 2000 and Windows 2003

Supported RDBMS:

- Oracle 8.1.7, 9.2, 10g
- Informix IDS 7.31, 9.40
- DB2 UDB 8.1
- SQL Server 7, 2000

Java support

In the future, Microsoft will not support their MS Java Virtual Machine.
See <http://www.microsoft.com/mscorp/java/>.

Therefore, the portingset is extended with Sun JRE support 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 portingset according to the de-support by Microsoft.

To enable the Sun JRE, take the following steps:

- 1 Install the Sun JRE:

You can download version 1.3.1 at:

http://java.sun.com/products/archive/j2se/1.3.1_09/index.html.

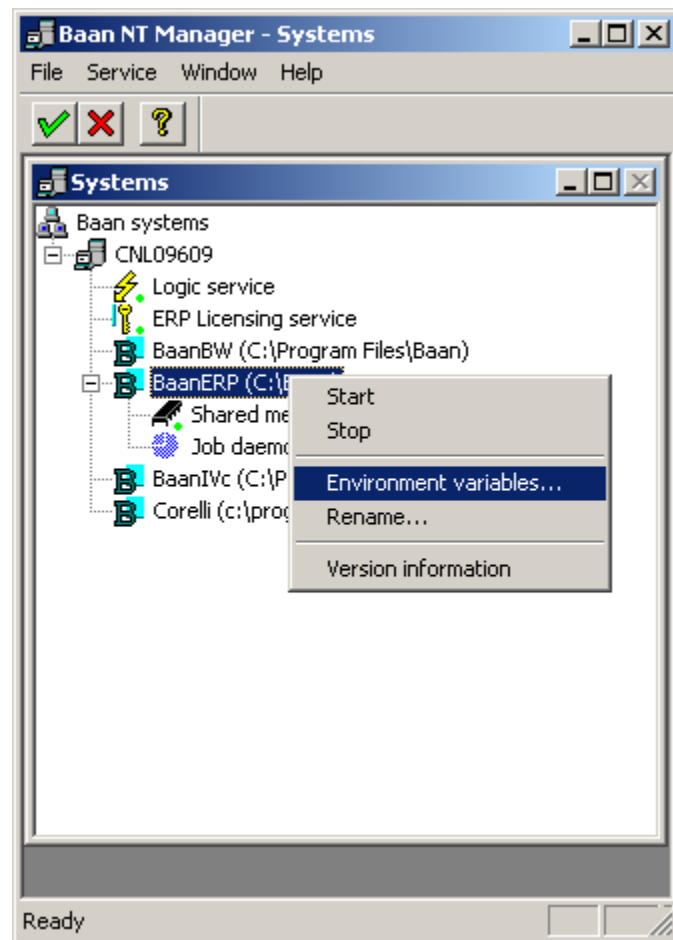
You can download version 1.4.2 at:

<http://java.sun.com/j2se/1.4.2/download.html>

- 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)
- C:\Baan\shlib # assuming default installation of Baan
- C:\Baan\bin # assuming default installation of Baan

Be aware that activating these variables requires a restart of the Baan ERP environment. To avoid a windows reboot, you can add/adjust the PATH variable to the environment variables in the Baan NT Manager:



Configure the use of the Sun JRE for the Baan ERP environment in one of the following ways:

- Add use_msjava_dll:0 to the \$BSE\lib\defaults\bshell file
- or
- Use USE_MSJAVA_DLL=0 as the environment variable

To enable the use of the MSJVM, you must set the variable to 1 or remove the variable because the default value is 1.

Fujitsu Siemens MIPS Reliant UNIX

A version of this portingset for Reliant Unix is built on request.

Supported:

- Reliant Unix V5.45

Supported RDBMS:

- Informix IDS 7.31, 9.40

IBM x86 Dynix PTX

The portingset for this platform is in maintenance mode. Therefore, new versions are only delivered on request based on contractual agreements.

Supported:

- Dynix 4.4.9, 4.4.10, 4.5.2, 4.5.3 and 4.6.1

Supported RDBMS:

- Informix IDS 7.31

IBM Informix

Supported:

- Informix IDS 7.31 and 9.40

Informix 9.40, Windows only

Before you start the installation, you must start Regedit. Go to [HKEY_LOCAL_MACHINE\SOFTWARE\INFORMIX\ONLINE\<\\$INFORMIX_SERVER>\Environment](#) and make the following string value:

INFORMIXSQLHOSTS=\\<server name>

The problem is caused by the Informix software and will be resolved in a future Informix 9.40 release.

Oracle database

Supported:

- Oracle 8.1.7, 9.2, 10g

SSA Baan ERP 5.0c installation media for Windows is not currently adjusted to support Oracle 10 installations.

Be aware that Oracle will withdraw standard support for Oracle 8.1.7 at the end of 2004. Customers are advised to plan migration to a later version.

Be aware that Oracle is withdrawing support for several operating system platforms.

Oracle 10g is supported functionally. The performance characteristics in relation to SSA Baan ERP 5.0c are still under investigation.

Oracle 9.2.0.2

If you install Oracle 9.2.0.2, be sure to also install the Oracle patch 3871601.

Microsoft SQL Server

Supported:

- 7.0, 2000

IBM DB2

Supported:

- DB2 V8.1

Be aware that IBM withdrew support for DB2 V7.2 in September 2004. Customers are advised to migrate to a later version.

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

Platform	Shared library environment variable
Solaris	LD_LIBRARY_PATH
AIX	LIB_PATH
HP-UX	SHLIB_PATH
Windows	PATH

Chapter 4

Supported Java versions

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For this portingset, J2SE 1.4.2.x is the recommended version, except for AS400. Customers are advised to use the latest available minor set of a java version.

If the vendor no longer supports a specific J2SE version, support by SSA is also dropped.

The Sun JRE is the preferred Java interface for the Windows platform.

OS	Java 1.3.1	Java 1.4.2
HP Alpha Tru64_Unix	yes	
HP PA-RISC HP-UX	yes	yes
HP IA64 HP_UX	yes	yes
IBM PowerPC AIX	yes	yes
Microsoft x86 Windows ¹	MS JVM 3167 and higher	
Microsoft x86 Windows ¹	Sun JRE	Sun JRE
Sun SPARC Solaris	yes	yes

¹ For details, see the “Java Support” section of Microsoft x86 Windows

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

bdbpre/ bdbpost option `-q`

The `-q` option has been identified as a redundant and confusing option. The `-E` and `-O` option deliver the same functionality. Therefore, the `-q` option is deprecated and will not be supported in portingsets built after 2005.

C-API

In the past, the C-API was provided as a mechanism to interface with the ERP environment. Because SSA Technical Architecture is the successor for this interface, the C-API is deprecated. Support for this interface will end by December 2005.

