

BAAN IVc

**Porting Set 6.1c.05 Pre-Release
Notes**

A publication of:

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About this document

This document contains last minute pre-release information about the Baan porting set 6.1c.05. The porting set provides bug fixes for reported problems and new functionality.

Baan has not yet finished testing all hardware platforms of this porting set. But instead of waiting for the approval of the last hardware platform, Baan has decided to already publish the approved platforms on the Web.

This pre-release note only contains the necessary info about the usage of the current released porting sets.

In the final release note (published together with the porting set CD-ROM) all information regarding new functionality will be included.

These release notes include the following chapters:

- Chapter 1 lists the purpose of the pre-release
- Chapter 2 provides the list of the porting set platforms
- Chapter 3 provides installation instructions for the porting set.
- Chapter 4 describes Oracle related topics.
- Chapter 5 provides other important remarks, known problems and workarounds.

1 Purpose of the pre-release

Baan has not yet finished testing all hardware platforms of this porting set. But instead of waiting for the approval of the last hardware platform, Baan has decided to already publish the approved platforms on the Web.

The main purpose of this procedure is that this new porting set can be used to replace an older porting set in an existing installation. **We advice you to wait with enabling new functionality until the porting set CD-ROM has been released.**

In the meantime Baan will test and approve all other remaining hardware platforms so they also can use porting set 6.1c.05 in the near future. You will be able to order the final release notes, together with the technical details, and the porting set CD-ROM as soon as they are finished.

2 Porting set platforms

Availability on the Web

Check the table below which platforms are available on the Web at the end of May 2000.

Porting set Platform/OS-version	Available on Web	Remarks
DEC_ALPHA/DIG_UX4.0D	Yes	
IBM_RS6000/AIX4.1.5	Yes	
IBM_RS6000/AIX4.3	Yes	
HP9000_PA_RISC/HPUX10.20	Yes	
HP9000_PA_8000/HPUX10.20	Yes	
SEQUENT_INTEL/DYNIX_PTX4.4.2	No	
SUN_SPARC/SOLARIS2.5.1	Yes	
I386/NT4.0	Yes	Not released for Oracle8i
ALPHA/NT4.0	No	
SNI_MIPS/ReliantUNIX_5.43	Yes	
SGI_MIPS/IRIX6.5	No	
SCO_UNIX_INTEL/3.2.5	No	
UNIXWARE_INTEL/2.1.2	No	
AT_T_INTEL/5.4.3	No	

3 To install the porting set

What is a porting set?

A porting set is a set of binaries that are operating system dependent. It is the layer between the operating system and the application software. Baan releases a new porting set on a regular basis. A mailfix number recognizes every modification made in the porting set.

Every porting set has a port number. Initially, all binaries have the same port number. If a fix has been made on a binary before next porting set has been delivered, that binary will have another port number. For example, a port number for HP binaries can be PA.1021, but the Informix driver inf_srv6.1 which has been modified after release date could have port number PA.1123.

Installation description

**IMPORTANT
NOTE:**

This chapter is already the final version of the release notes. It refers to the porting set CD-ROM that is not yet available. You will get background information here about what has to be done. If you want to install porting set 6.1c.05 now, download the software from the Web and follow the instructions in Solution 15219.

It depends on your software environment, which of the following sections you must follow:

“To prepare Triton3.x, BAAN IVa, or BAAN IVb for installation (UNIX only)”. If you want to install this porting set in either a Triton3.x, BAAN IVa, or BAAN IVb environment on an UNIX system and you have not previously installed porting set 6.1c.04, 6.1c.04.01 or 6.1c.04.02, you must first install some updates. This section describes how to do this.

“Installation in an UNIX environment”. If you want to install this porting set in a BAAN IVc environment on an UNIX operating system.

“Installation in a Windows NT environment”. If you want to install this porting set on a Windows NT operating system.

**IMPORTANT
NOTE:**

This porting set version should NOT be used for a new installation. It is ONLY a bug fix release.

To prepare the DEC Unix system for installation

To avoid problems Baan used a newer version of the compiler (the 6.n compiler) for the porting set for DEC Unix. In some cases (dependant on the current version of your operating system, as described below) you have to install a patch in your operating system.

NOTE If you plan to use the Bshellxma you **must** install the patch. In all other cases you are recommended to install the patch.

Code generated by the Version 6.n compiler requires a newer version of the C++ Run-Time library (libcxx) than is provided by Compaq Tru64 UNIX Versions prior to 4.0F.

Using Compaq C++ on Compaq Tru64 UNIX Version 4.0F or Later

On Compaq Tru64 UNIX 4.0F or later, the version of libcxx.so required for use with Compaq C++ Version 6.n is installed by the operating system; no special actions are required.

Using Compaq C++ on DIGITAL UNIX Version 4.0E or Earlier to Link and Run Programs

On Version 4.0E or earlier, you must install the following subset from the Compaq C++ Version 6.n kit before you can link or execute programs:

Compaq C++ Run-Time Library (libcxx) for DIGITAL UNIX V4.0E and earlier

If you attempt to link code generated by Compaq C++ Version 6.n before installing the compiler or this subset, the link might fail because of unresolved symbols.

This subset (or the compiler kit) also must be installed on any Version 4.0E or earlier system on which you want to execute code generated by Compaq C++ Version 6.n. If you attempt to execute a program without having installed the subset or compiler, the image activator displays error messages about unresolved symbols.

NOTE You can install the libcxx subset without installing the base compiler subset.

NOTE If you need the above mentioned libcxx, please order it from Compaq and install it.

To prepare Triton3.x, BAAN IVa, or BAAN IVb for installation (UNIX only)

If you install porting set 6.1c.05 on Triton3.x, BAAN IVa or BAAN IVb in an UNIX environment, and you have not previously installed porting set 6.1c.04, 6.1c.04.01 or 6.1c.04.02, you must first perform the relevant procedure described in this section.

Triton3.x

The updates that you need for a Triton3.x environment before installing the 6.1c.05 porting set, can be found in the \Triton3x directory on the porting set distribution CD-ROM.

Take the following steps:

- 1 Import the dump file, 75320.dmp, with Baan session ttiex1284m000.
- 2 Run the **Patch object** (ttiex3226m000) session after error solving. Use the following settings:
 - Standard: YES
 - Package: tt
 - Object: odllshell
- 3 Copy bic_global to \$BSE/include6.1.
- 4 When you are compiling your own objects, copy the file, bic_audlib, to \$BSE/include6.1.

Proceed to the section, “Installation in an UNIX environment,” to complete the porting set installation.

BAAN IVa

The updates that you need for a BAAN IVa environment before installing the 6.1c.05 porting set, can be found in the \Baan4a directory on the porting set distribution CD-ROM.

Take the following steps:

- 1 Import the dump file, 75320.dmp, with Baan session ttiex1284m000.
- 2 Run the Patch object (ttiex3226m000) session after error solving. Use the following settings:
 - Standard: YES
 - Package: tt
 - Object: odllshell

- 3 Copy the file, bic_global, to \$BSE/include6.1.
- 4 When you are compiling your own objects, copy the file, bic_audlib, to \$BSE/include6.1.

Proceed to the section, “Installation in an UNIX environment”, to complete the porting set installation.

BAAN IVb

The updates that you need for a BAAN IVb environment before installing the 6.1c.05 porting set, can be found in the \Baan4b directory on the porting set distribution CD.

Take the following steps:

- 1 Import the dump file, 75320.dmp, with Baan session ttiex1284m000.
- 2 Run the Patch object (ttiex3226m000) session after error solving. Use the following settings:
 - Standard: YES
 - Package: tt
 - Object: <all>
- 3 Copy the file, bic_audlib, to \$BSE/include6.1.

Proceed to the section, “Installation in an UNIX environment”, to complete the porting set installation.

Installation in an UNIX environment

NOTE

This procedure assumes Baan/Triton is ready for this update. If you are using Triton3.x, BAAN IVa or BAAN IVb, you must have completed the procedure in the previous section, “To prepare Triton3.x, BAAN IVa or BAAN IVb for installation (UNIX only).”

BAAN IVc environments do not need the updates mentioned in the previous section before installing the 6.1c.05 porting set.

The following procedure is technical in nature, so please read it carefully before your perform the procedure or ask your system administrator to do the installation.

The new porting set must be installed as follows:

- 1 Log on as user root.
- 2 Check if all users have logged off. Do this by typing the UNIX command:

```
ps -ef |grep bshell
```

If the grep command does not return a bshell entry, no one is logged on anymore.

- 3 Go to the directory \$BSE/etc and stop Triton or Baan by executing the command:

```
./rc.stop
```

- 4 Stop the license daemon (if not stopped by the rc.stop, displayed in the "stop-information") by executing the command licmon6.1 -k.
- 5 Transfer the compressed tar archive corresponding with your hardware and operating system from the Unix directory on the CD-ROM to an empty temporary directory on your UNIX system.

NOTE

You may have to use a machine with Microsoft Windows operating system to read the CD-ROM and transfer the dump to an UNIX system because the files on the CD-ROM are stored on a Joliet file system.

- 6 Extract the files from the compressed tar archive to the temporary directory on the UNIX system :

```
# cd <path>
# compress -d *
# tar xvf *
```

where <path> is the temporary directory to which you copied the compressed tar archive containing the porting sets.

- 7 Remove the tar archive from the temporary directory on the UNIX system:

```
# cd <path>
# rm *.tar
```

where <path> is the temporary directory to which you copied the compressed tar archive containing the porting sets.

- 8 Make a backup of all environment directories that will be updated by installing the porting set. Execute the 'ls' command on the temporary directory to see a list of directories that will be updated :

```
# cd <path>
# ls
```

where <path> is the temporary directory to which you copied the compressed tar archive containing the porting sets.

- 9 Copy all files from the temporary directory to the TRITON software, or Baan software environment directory :

```
# cd <path>
# cp -r -p * ${BSE}
```

where <path> is the temporary directory to which you copied the compressed tar archive containing the porting sets.

NOTE

The syntax of the 'cp' command can vary the different UNIX flavors. In the example above, the '-r' option will copy files recursively and the '-p' option will preserve permissions while copying. Please refer to your system documentation for the correct 'cp' syntax.

- 10 To ensure that all the permissions are correct, you have to run the binperm6.1 script. This script automatically corrects all the permissions.

Go to the directory \$BSE/bin and execute the following command:

```
sh binperm6.1 .
```

- 11 Generate a new \$BSE/lib/shm_param file. To do this:
- Rename the old one to have a backup for the old porting set:

```
mv shm_param shm_param.old
```

- Generate a new file:

```
$BSE/bin/shmvalues6.1>$BSE/lib/shm_param
chown bsp:bsp $BSE/lib/shm_param
```

- 12 Remove the file \$BSE/lib/tbase/tbase_open (if you are using tbase(tp)database). When running rc.start this file is created again.
- 13 If you install porting set 6.1c.05 on BAAN IVb and earlier versions (including all Triton3.x versions), you have to rename the following files:
- audit_srv6.1 to audit_srv_c_6.1
 - audit_srv_b_6.1 to audit_srv6.1
 - taudit6.1 to taudit_c_6.1
 - taudit_b_6.1 to taudit6.1

- 14 Change the directory to \$BSE/etc and start Baan by executing the following command:

```
./rc.start
```

Do a final test (for example start a Baan session) before the system is released to users.

Installation in a Windows NT environment

Installation notes

Please review the following notes and take actions where needed:

- If you are using a Windows NT locale that is not US English you must use solution 75981.
- Instructions about conversion from MS SQL Server 6.5 to 7.0 and the conversion guide can be found in solution 19805.
- From BAAN IVc4, Baan will install directly on SQL 7 Enterprise Edition. (applies to fresh installations). If you have a master CD-ROM of BAAN IVc4 that does not support direct install on SQL 7 EE, please request the latest master BAAN IVc4 CD-ROM.
- If you are upgrading from an older version of the porting set, you may experience "read.tt.par" and other errors on such actions as converting to runtime in Maintain User Data. This is because of missing (new) DLLs. Please also install solution 14949.
- Install solution 75365 to enable new Job Daemon functionality.

Installation procedure

Before you install this new porting set verify that:

- No one is logged on to Baan.
- No long-time running Baan jobs are active.

To install this new porting set, take the following steps:

- 1 Log on to the Windows NT Server running Baan.
- 2 Stop the BaanJobDaemonService, and write down the Startup settings of the BaanJobDaemon service. Do this, select **Control Panel, Services, BaanJobDaemon service, Startup**.

- 3 Start the Task Manager, and click the **Processes** tab. Check if there are still ntbshell.exe processes running:
 - If there is a ntbshell.exe process running, check if everybody is logged out of Baan.
 - If no one is logged into Baan and there are still ntbshell.exe processes running, stop these processes by selecting them and clicking **End Process**.
 - Check if there are still database driver processes running:

for Informix:	inf_srv.exe
for Oracle:	ora7_srv.exe (version 7) ora8_srv.exe (version 4)
for MS SQL Server:	msql_srv.exe (version 6.5) msql7_srv.exe (version 7.0)

If any Baan database driver processes are running, stop them by selecting the process and clicking **End Process**.
 - Check if there are still other Baan processes running, such as BW, BECS, and Baan NT Manager.

NOTE

The Baan NT Manager is the benttool process.

If there are still Baan processes running, close these programs in a normal way. If this is not possible, stop these processes by selecting a process and clicking **End Process**.

- 4 Close the Event Viewer, if open, before proceeding.
- 5 Copy the current %BSE%\bin directory to %BSE%\bin.old
To do this, you can select the folder bin, and perform a copy and paste so you get a copy of folder bin, having the name "Copy of bin", rename this folder to bin.old)
- 6 Run the setup.exe program from folder I386 on the distribution CD-ROM.
- 7 When the **Welcome** dialog box appears, click **Next**.
- 8 When the **Software Licence Agreement** dialog box appears, click **Yes**.
- 9 When the **Select Environment** dialog box appears, you have two options:
 - **Install new environment**. If you choose to do this, select this option, type in the name you wish to use, and proceed with the installation.

- **Select existing environment.** From porting set 6.1c.03 onward, multiple environments are supported. Therefore, each environment has its own name. If you are installing over a porting set older than 6.1c.03, registry entries will be added to get support of multiple environments, and the current Baan environment will get the name **Bse**. In this case, select the environment **Bse**. If you are installing over porting set 6.1c.03 or later, simply select the environment you are using to update your current environment with this new porting set.

Once you make your choice, click **Next**.

NOTE

If a BSE is not detected by the setup program:

- Ensure that there is a BW.exe present in the %BSE%\bin directory. If not, put one there.
- If the previous step was unsuccessful, do not proceed with the porting set installation and call Baan Support.

- 10 When the **Setup Information** dialog box appears, check if all the information is correct. Verify the environment name and the target directory. If you wish to make a change, click **Back** until you reach the desired dialog box, make the changes, then click **Next** to return.
- 11 Click **Next** to copy files, create folders and icons, and complete the installation as prompted by the installer.
- 12 Once the installation has completed, check if the Baan services have started again. These are:
 - BaanLicensing Service
 - BaanLogic Service
 - BaanSharedMemory Service

Also, if used, start the BaanJobDaemon Service again.

NOTE

Because the BaanJobDaemon Service is registered again by the setup of the porting set, check the configuration settings of the BaanJobDaemon Service. (**Control Panel, Services, BaanJobDaemon service, Startup...**). Put the settings back to the original ones. Remove **Application lock** on the Job Daemon (log into Baan and run session ttstpdellocks) and start the BaanJobDaemon service again.

- 13 People can now log in Baan again.

NOTE

In case you are running Baan in an Client-Server mode (separate Application Server and Database Server), the setup procedure contains some additional steps; for example you will be asked to supply the name of the other server and some login information.

4 Oracle related topics

Porting set 6.1c.05 provides a new version of the Oracle database driver which supports Oracle 8i versions. Please check the Product Information Database (PID) for supported Oracle versions per hardware platform. For more information please refer to the *BAAN IV Oracle Database Driver Technical Reference Manual* (U7155B US).

**IMPORTANT
NOTE:**

Please note that this porting set should be used only for a replacement in an existing installation. Upgrades from Oracle7 to Oracle8, and other topics regarding Oracle8i will be described in the final release note.

Expand the shared library search path

During installation on UNIX systems of Oracle 8.x it might be necessary to expand the shared library search path by adding the \$ORACLE_HOME/lib directory. If the shared library search path is not extended, Oracle tools like sqlplus, can not find the used shared Oracle libraries.

Please note that the variable containing the shared library search path has different names on different platforms.

Example: On Fujitsu Siemens Reliant Unix you should specify for Oracle 8.0.5 something like:

```
LD_LIBRARY_PATH=$LD_LIBRARY_PATH:/home/CDS++/lib:/home/oracle/8.0.5/lib
```

Action needed for existing Oracle8 users

Existing Oracle8 users must take some actions after upgrading to this porting set.

Specify ora_column_format

Specify the ora_column_format:7 resource value in the \$BSE/lib/defaults/db_resource file, to force the new Oracle8 driver to comply to Oracle7 data dictionary constraints instead of Oracle8 constraints. (If you don't specify this you will experience error BDB_512). This applies both to UNIX and NT.

The 'old' Oracle8 driver used the Oracle7 constraints. Since the Oracle8i project, the Oracle8 constraints are used by default. This causes some *'inconveniences'* for existing installations.

Check if \$BSE/lib/ora/oracle_home does exist

This applies only to UNIX installations. After the installation is complete, check if \$BSE/lib/ora/oracle_home exists, if not run the ora_update script (located in \$BSE/bin) to generate it. If you do an official upgrade the directory should be there. In case of a replace of the porting set (by porting set 6.1c.05) you must take notice.

5 Other important remarks, known problems and workarounds

Other important remarks, known problems and workarounds.

New directories in 6.1c.05

In the porting sets that are enabled for Java VM Integration, we have introduced two new directories:

1. \$BSE/shlib (containing shared libraries)
2. \$BSE/java (containing java applications)

IMPORTANT NOTE Please make sure that these directories are copied to your environment. In future releases we might ship other libraries and/or java applications that should be installed in these directories.