BAAN IV

Conversion Guide Microsoft SQL Server 6.5 to 7.0

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About this document

This document describes the steps that you must carry out if you have BAAN IV running with Microsoft SQL Server 6.5 and you wish to upgrade to SQL Server 7.0. This document assumes that you have already installed BAAN IV and you are running it with SQL Server 6.5. You must have the SQL Server 7.0 software and the Baan IV software installed before you follow the procedures described in this document.

The procedure for installing BAAN IV with SQL Server 6.5 is described in the BAAN IV Installation Guide for Microsoft SQL Server (U7000 US).

This document consists of three chapters.

Chapter 1 describes the steps necessary to prepare the Baan environment for the migration. These steps include applying patches that update the Baan Tools to recognize the new Baan driver for SQL Server 7.0 and relicensing the software so that the new driver can be used.

Chapter 2 describes how to install Microsoft SQL Server 7.0.

Chapter 3 describes the steps that you must carry out to prepare to use BAAN IV with SQL Server 7.0. These steps include:

- migrate the SQL Server 6.5 data to SQL Server 7.0
- install the Baan database driver for Microsoft SQL Server 7.0
- configure BAAN IV to use SQL Server 7.0
- tune the system to perform well with SQL Server 7.0

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1 Preparing for the Migration

This chapter describes the software requirements for the migration and describes how you can:

- Apply the patches that update the BAAN IV tools to recognize the Baan driver for SQL Server 7.0.
- Install the porting set update that contains the new Baan drivers for Microsoft SQL Server.

Software requirements

To perform the BaanIV Tools update so that the Baan driver for Microsoft SQL Server 7.0 can be used, you need the following hardware and software:

- A Baan IV (c4 or earlier) installation running with Microsoft SQL Server 6.5 on Windows NT 4.0 with Service Pack 3 or higher.
- The 6.1c.03.01 porting set update, which contains the new driver (this can be obtained via the Baan Global Support Website at ftp.support.baan.com).
- Microsoft SQL Server 6.5 Service Pack 4.
- The following Baan IV Tools patches available on the Baan Global Support Website (see Solutions 177777 and 14949 for more information):

ftp://www.support.baan.com/updates/port/6.1c.03.01/NT/tttiex300000.dmp ftp://www.support.baan.com/updates/port/6.1c.03.01/NT/patch_b40c4.dmp ftp://www.support.baan.com/updates/B40c4/14949std.dmp

To update the Tools

To update the BaanIV Tools to recognize the Baan driver for Microsoft SQL Server 7.0, follow these steps:

Notes

Be sure to have Microsoft SQL Server version 6.5 Service Pack 4. The Baan drivers for Microsoft SQL Server included in the 6.1c.03 and later porting sets are ODBC3 applications. SQL Server 6.5 Service Pack 4 includes a SQL Server ODBC driver update needed for these drivers to run properly. You must install Service Pack 4 for Microsoft SQL Server 6.5 or SQL Server 7.0 in conjunction with a 6.1c.03 or later porting set update.

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1 Download the patches. Rename tttiex300000.dmp to tttiex300000.S. The tttiex300000.S file is a bdbpre dump that updates the Commercial Functions table to allow the new driver to be selected for licensing. It must be installed by running the following bdbpost command from a Command Prompt on the application server in the directory where the tttiex300000.S file resides. Make sure the BSE environment variable is set and run the following:

%BSE%\bin\bdbpost -A -n -m -D. -t"|" -c000

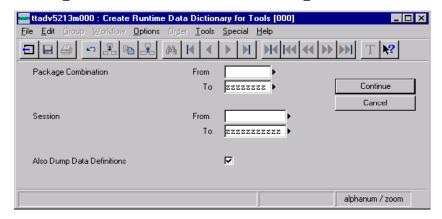
2 Start Baan and run Maintain Requested System Configuration (Tools) (ttiex3101m000). Choose GoTo from the Group menu and enter package tt (default). Use the TAB key to accept the default values in the FromDate and EndDate fields and check the option for MSQL Server 7.0. Save and exit the session.

Note

Make sure you also leave the **MSQL Server 6.5** checked as well, in case you need to switch between the two drivers.

ttiex3101m0	000 : Maintain Reque	ested System	n Configu	ration (Tools] [000]		_ 🗆 ×	
<u>File Edit Grou</u>	ıp <u>₩</u> orkflow <u>O</u> ptions	Order <u>I</u> ool	ls <u>S</u> pecia	al <u>H</u> elp				
	n R BR	# I		H H	** **	T \?		
Package	tt Tools B	AAN IV		From Date 27-10-199				
				End Date 27-10-199				
Commercial Function Number of Runable								
Commercial	runction			Number of	Runable			
				User	\$			
t052	TRITON Base TP	Server						
t054	Informix Server							
t056	Oracle7 Server				_ F			
t057	DB2 V5				- F			
t058	Sybase			<u> </u>				
t059	MSQL Server 6.5	5						
t060	DB 2/6000			Ĺ				
t062	Oracle8 Server			Ė				
t063	MSQL Server 7.0)					T	
							_	

3 Use the Import Patch (ttiex1284m000) session to import the patch_b40c4.dmp (see Solution 17777 for more detail). Make sure you select the VRC you want to import it into. For BaanIVc3 and below this would be the ttB40_c1 VRC. For BaanIVc4 this would be ttB40_c4.



- 4 After the import of the patch has finished run the Create Runtime DD for Tools (ttadv5213m000) session. Make sure that you select the **Also Dump Data Definitions** check box, because there is a modified domain in the previously imported patch.
- 5 Run the Print Requested System Configuration (ttiex3400m000) session and send the resulting output to your usual Baan Validations contact. This will allow Baan to generate new keys to allow you to run the new **msql7_srv.exe** driver for SQL Server 7.0.
- 6 Choose the Validate Tools Set (ttiex3220m000) session in the Validation folder. From the **Special** menu select **Continue**.

When the validation process succeeds, the following message appears.



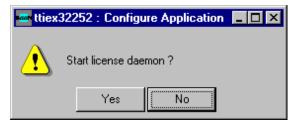
- 7 Click **OK**. A warning message appears.
- 8 Read the message and from the **File** menu, choose Save+Exit.

9 Start the Configure Application (ttiex3225m000) session in the Validation folder.

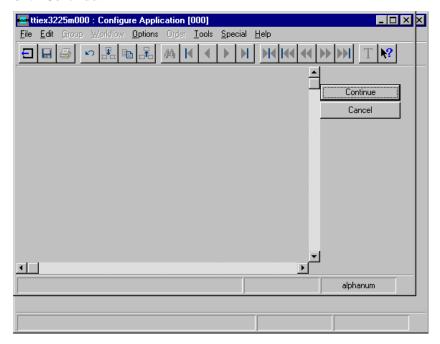
The following alert message appears:



- 10 Click OK.
- 11 Click Yes when asked if you want to start the license daemon.



12 Click Continue.



13 Click **OK** in the **Patch Process Ready** message box. Apply the new validation keys to relicense the software. Then apply patch 14949std.dmp (see Solution 14949 for details). Run the Patch Objects after Error Solving (ttiex3226m000) session to patch the new objects just added. When complete, continue with the next section, To update the porting set.

To update the porting set

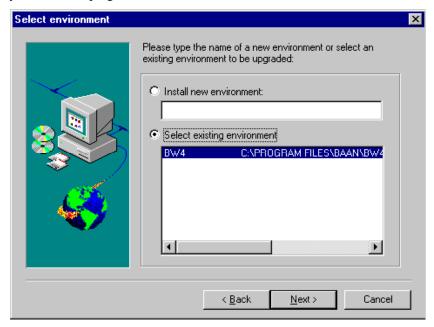
Note

The new Baan drivers for Microsoft SQL server are ODBC3 applications. Before running the Baan software with the new porting set, install SQL Server 6.5 Service Pack 4 to update the SQL Server ODBC driver to the new ODBC3-compliant version. It is important that update steps be performed together.

The migration kit includes a porting set that contains an updated Baan driver for SQL Server 6.5 and the new Baan driver for SQL Server 7.0. To install the porting set that upgrades the SQL Server 6.5 database driver and install the SQL Server 7.0 database driver, take the following steps:

- 1 Insert the 6.1c.03 porting set CD in your CD-ROM drive.
- 2 Start the Windows NT Explorer.

- 3 Depending on your system, open the **Alpha** folder or the **i386** folder, and then double-click the **setup.exe** file to start the installation.
- 4 A Welcome screen appears. Click **Next**. A **Software License** screen appears.
- 5 Read the license agreement and click **Yes**. A **Select Environment** screen appears.
- 6 Select **Select existing environment** and click **Next**. A screen appears, asking you to select a program folder.



- 7 Select the default folder, and click **Next**. The **Setup Information** screen appears.
- 8 Review the information and if it is correct, click **Next** to start the installation.
- 9 Reboot the system after the installation process is complete. Proceed to the next section, To update the ipc_info file.

To update the ipc_info file

1 Edit the **ipc_info** file with a text editor such as Notepad. The **ipc_info** file can be found in the directory where you installed the Baan software. The directory location for the **ipc_info** file is %BSE%\lib. This file maps the specified driver name in the tabledef file to a driver executable. To use Notepad to edit the **ipc_info** file, type the following:

C:\Baan\conv70> notepad %BSE%\lib\ipc_info

2 Create a new entry in the **ipc_info** file by copying the existing **msql** line and modifying the copy so that it reads as the line shown in bold:

```
bshell
                0
                    0
                             ${BSE}\bin\ntbshell.exe
                             ${BSE}\bin\sh_server.exe
sh_server
                      р
                    0
                             ${BSE}\bin\msql_srv.exe
msql
                0
                       р
                0
                    0
                             ${BSE}\bin\msql7_srv.exe
msq17
            s
                      р
nserver
                0
                   0 s
                             ${BSE}\bin\nserver.exe
            s 0 0 p
fs6.2
                             ${BSE}\bin\fs.exe
audit
               0
                   0
                      р
                             ${BSE}\bin\audit_srv.exe
informix
              q 0 0
                             \{BSE\} \in srv.exe
            S
oracle7
                0
                             ${BSE}\bin\ora7_srv.exe
```

3 Save the file.

You are now able to run the Baan application with the 6.1c.03.01 porting set. When ready, you may continue the migration by proceeding to the next chapter, To Install Microsoft SQL Server 7.0.

2 To install Microsoft SQL Server 7.0

This chapter describes:

- The hardware and software requirements
- How to install Microsoft SQL Server version 7.0
- How to test the installation

Hardware and software requirements

To install Microsoft SQL Server on your BAAN IV server, you need the following hardware and software:

- At least 64MB of physical memory (RAM).
- At least 64 MB of paging space (virtual memory).
- Up to 200 MB of hard disk space for SQL Server 7.0.
- Free disk space equal to 150% of the size of the SQL Server 6.5 databases being converted.
- An Intel Pentium system or an Alpha AXP RISC system.
- An installed and configured Microsoft Windows NT Server Version 4.0 with Service Pack 3 (Refer to the Windows NT Installation Guide for more information about setting up your Windows NT server).
- A CD-ROM drive.

Note

A network adapter supported by Windows NT.

To install Microsoft SQL Server

To install the Microsoft SQL Server 7.0 software on a machine that has SQL Server 6.5 installed, follow these steps:

Be sure to have Microsoft SQL Server version 7.0. You must install Service Pack 4 for Microsoft Windows NT 4.0, and Internet Explorer 4.01 with Service Pack 1, before installing SQL Server 7.0.

If your host name contains a hyphen [-], the conversion process will not work. You must rename the host machine before installing.

Conversion Guide Microsoft SQL Server 6.5 to 7.0

Make sure there are no SQL Server-related applications (for example, SQL Server Service Manager or Enterprise Manager) running before you start the installation process.

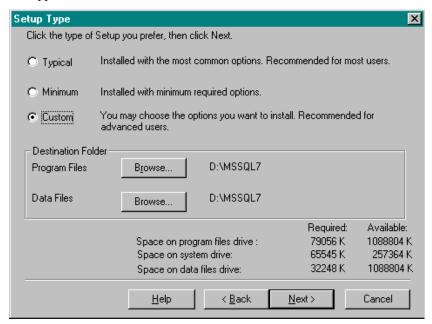
- 1 Insert the Microsoft SQL Server distribution CD-ROM into the CD-ROM drive and log on as a user with administrator rights.
- 2 Click **Run** on the **Start** menu and enter the following command in the Command Line box, where D is the drive letter for the CD-ROM drive.

D:\autorun.exe

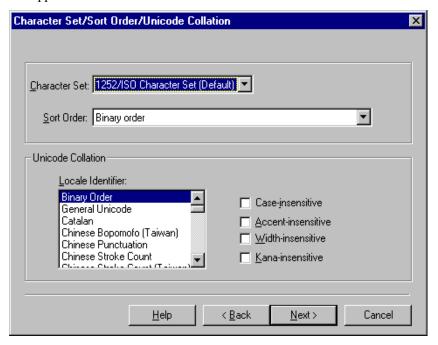
Note

- The drive letter can be the drive for either the CD-ROM or a network drive, if you have copied the contents of the CD-ROM to a drive that is mapped over the network. A **Welcome** dialog box appears.
- 3 Click Install SQL Server 7.0 Prerequisites. Choose the operating system on which you are installing SQL Server 7.0. You will be presented with a list of prerequisites for the SQL Server 7.0 installation. This list includes Windows NT Service Pack 4, and Internet Explorer 4.01 Service Pack 1. If you have not yet installed Windows NT Service Pack 4, you will need to exit the SQL Server 7.0 installer and do so before continuing. The Internet Explorer 4.01 Service Pack 1 can be installed directly from this screen. You may need to restart the computer during this process. Once the prerequisites are installed, restart the SQL Server installer as in Step 2 and click Install SQL Server 7.0 Components. Choose Database Server Enterprise Edition or Database Server Standard Edition, as appropriate. The SQL Server 7.0 InstallShield Wizard will be launched. The Select Install Method dialog box appears.
- 4 Choose **Local Install**. After a moment the **Welcome** dialog box appears.
- 5 Click Next. The End-User License Agreement dialog box appears.
- 6 Click **Yes** to continue. You are prompted for the name and company affiliation of the person installing the software. Fill in this information and click **Next**. You may be prompted for the **CD Key**. Click **Next** after entering this information.

7 If SQL Server 6.5 is installed on your system, a dialog box appears that offers you the choice to automatically run the SQL Upgrade Wizard after the SQL Server 7.0 installation is completed. You can choose to do so or you can manually start the Upgrade Wizard after installation. The **Setup Type** dialog box appears.



8 Always choose Custom for the Setup type. This allows you to check or set the sort order and character set for the SQL Server installation. You can also browse and set the destination directories for the SQL Server program and data files. Click Next to continue. The Select Components dialog box appears. 9 You can configure the components and subcomponents of the SQL Server that you want to install. Baan recommends that you retain the defaults. Click Next to continue. The Character Set/Sort Order/Unicode Collation dialog box appears.



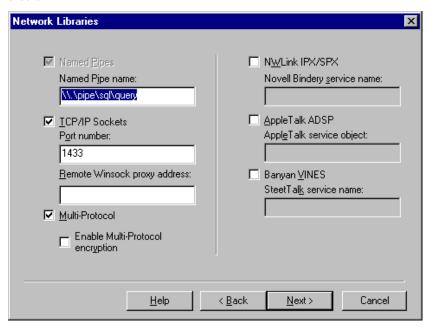
10 Choose the default 1252/ISO Character Set and click Binary sort order. Do not select any check boxes in the Unicode Collation group box. Click Next. The Network Libraries dialog box appears.

Note

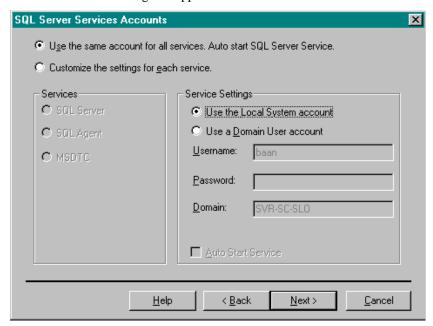
You must configure the SQL Server with **Binary** sort order to install and run BAAN IV. A sort order is a rule that determines how SQL Server collates and returns data in response to database queries. To change sort orders after SQL Server is installed, you must rebuild your databases and possibly reload your data.

If you already have Microsoft SQL Server 6.5 installed, the SQL Server 7.0 Setup Wizard will set these items to match your 6.5 settings.

Refer to the section Sort Orders in Chapter 1 of the *Microsoft Windows NT Server Installation Guide* for more information about the different sort orders.



11 Choose the network options that you wish to install but be sure to select the TCP/IP Sockets check box. The Named Pipes name is entered by default and cannot be cleared. Baan recommends that you retain the defaults as indicated in the screen shot. Click Next to continue. The SQL Server Services Accounts dialog box appears.



12 To start the services as pictured above, you can select **Use the same account** for all services and select **Use the Local System account**. Click **Next** to continue. The **Start Copying Files** dialog box appears.

Note

You can select the service options on a per-service basis. To do this, select **Customize the settings for each service**. Then select each of the services in the **Services** group box. You must define the settings for each service in the **Service Settings** group box.

- 13 Click Next to continue. The Choose Licensing Mode dialog box appears.
- 14 Select the licensing mode, click Continue and accept the Client Licensing Agreement. The Setup Wizard has enough information to start the installation. The File Copy dialog box displays the progress of the copy operation.
- 15 When the installation process is finished, the **Setup Complete** dialog box is displayed. You may need to restart the system before you can continue. Click **Finish** to complete the installation.

16 The installation of the SQL Server 7.0 is now complete. If you chose to automatically run the SQL Upgrade Wizard during the SQL Server 7.0 installation process, the Upgrade Wizard will automatically start now or the next time you log on after a reboot.

This completes the installation of Microsoft SQL Server 7.0. Continue with the following section, To Test the SQL Server Installation.

To test the SQL Server Installation

When the SQL Server installation is complete, you can test the installation by connecting to it locally with the ISQL utility. To test the SQL Server installation, perform the following steps:

Note

The test which will be described is performed from the command line. You can also carry out the query in one of the graphical tools by starting the Query Analyzer or by starting Enterprise Manager in the Microsoft SQL Server 7.0 program group and choosing the SQL Server Query Analyzer from the **Tools** menu.

1 After the server is rebooted, you may need to start the SQL Server. To start the SQL Server, enter the following command in the command prompt window:

C:\> net start mssqlserver

2 Enter the following command to connect to the SQL Server:

C:\> isql /Usa /P

If **isql** can connect, the following **isql** prompt is displayed:

1>

Note

If **isql** cannot connect, a DB Library error message is returned. Refer to the *Microsoft SQL Server 7.0 Books Online* for more information.

3 Enter a simple query. For example, enter the following command to retrieve the version of your SQL Server:

1> select @@version

2> go

The **isql** utility returns the server version, as shown below:

```
Microsoft SQL Server 7.00 - 7.00.623 (Intel X86)
Nov 13 1998 02:37:14
Copyright (c) 1988-1998 Microsoft Corporation
Enterprise Edition on Windows NT 4.0 (Build 1381: Service Pack 4)

(1 row affected)
1>
```

4 Enter the following command to return to the command prompt:

1 > exit

3 Migrating from Microsoft SQL Server 6.5 to SQL Server 7.0

This chapter describes how you must:

- Use the SQL Server Upgrade Wizard to migrate your database from Microsoft SQL Server version 6.5 to version 7.0
- Configure BAAN IV to run with Microsoft SQL Server 7.0
- Tune SQL Server 7.0 and the Baan database driver

To run the SQL Server Upgrade Wizard

If you have installed SQL Server 7.0 on a machine with SQL Server 6.5 already installed, you now have two distinct SQL Server environments, each with their own data. You may switch between them by selecting the appropriate server version in the **Microsoft SQL Server - Switch** program group. During the data upgrade process, the Upgrade Wizard will switch between the two server versions, stopping and restarting them several times.

Make sure that there are no SQL Server-related applications (for example, SQL Note Server Service Manager or Enterprise Manager) running before you start the upgrade process.

> Problems have been reported during the SQL Server Upgrade Wizard process (e.g. error 457) when converting 10,000 or more objects in the SQL Server database. If you have more than 3 Baan companies stored in your SQL Server 6.5 database, we recommend that you reduce the company count by either deleting the companies and their associated tables, or manually exporting and dropping (bdbpre -K) companies in the SQL Server 6.5 database before the conversion to avoid this problem and reduce conversion time.

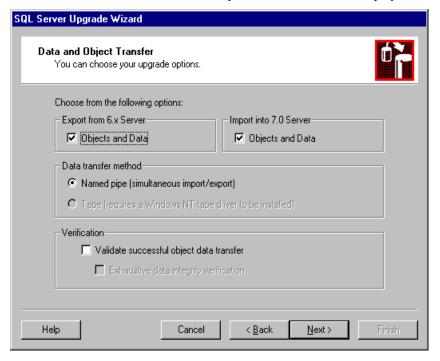
> Microsoft recommends that you perform a full database consistency check and take any corrective actions necessary before performing the 6.5 to 7.0 migration usnig SQL Upgrade Wizard. This includes running dbcc checkdb, dbcc newalloc, dbcc checkcatalog and dbcc textall. Consult your Microsoft SQL Server Upgrade manual for more detail.

Note

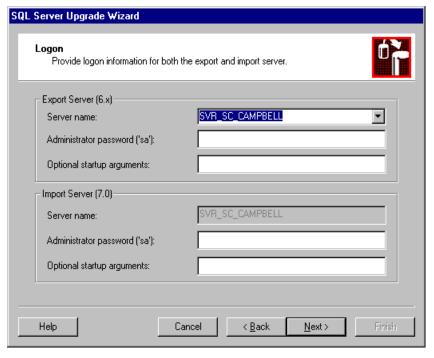
Note

To run the Upgrade Wizard, take the following steps.

- 1 If you just completed the installation of Microsoft SQL Server 7.0 and you chose to automatically run the Upgrade Wizard, it should start automatically after you log on following the restart required at the completion of the SQL Server 7.0 installation. Otherwise, go to the Microsoft SQL Server Switch program group and select SQL Server Upgrade Wizard to begin. The Welcome dialog box appears.
- 2 Click **Next** to continue. The Data and Object Transfer window is displayed.



- 3 By default, the **Objects and Data** check boxes are selected for export from SQL Server 6.5 and imported into SQL Server 7.0. By default, the **Named pipe** (simultaneous import/export) check box is also selected. As a result, the data is transferred directly from SQL Server 6.5 to SQL Server 7.0. Accept the default settings. You can select **Validate successful object data transfer**, but this will increase the run time of the migration. Click **Next** to continue. A dialog box appears.
- 4 Click **Next** to continue. The **Logon** window.



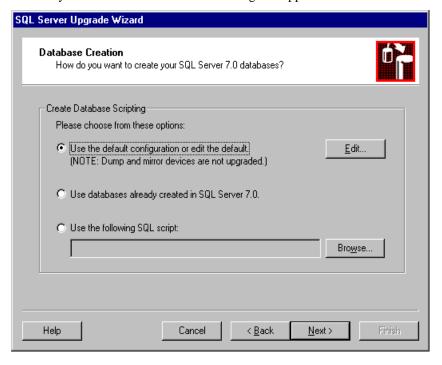
IMPORTANT

Be sure that the server name does not contain the minus sign (-).otherwise the conversion may crash.

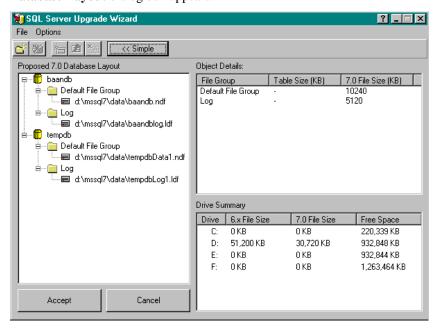
- 5 By default, the current host name is filled in as both the export and the import server name. You must fill in the SQL Server system administrator (sa) password for both the export (6.5) and the import (7.0) servers. The sa password is blank, by default, if it has not been changed. If the export server is not on the current machine, enter the name of the export server (it must be available over the network). Click Next to continue. The Upgrade Wizard will switch to SQL Server 7.0 and start the server. It will then analyze the SQL Server 6.5 and start the server. It will then analyze the SQL Server 6.5 configuration. The Code Page Selection dialog box is displayed.
- 6 Accept the default (1252) and click **Next** to continue. The **Upgrade Databases to SQL Server 7.0** window dialog box appears.



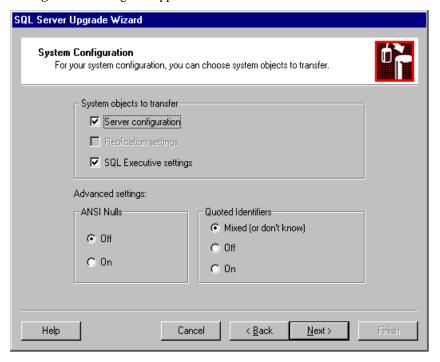
7 By default, all user databases detected in the SQL Server 6.5 installation are selected for conversion. Baan recommends that you accept this default. Click Next to continue. The Upgrade Wizard will examine your SQL Server 6.5 device layout. The Database Creation dialog box appears



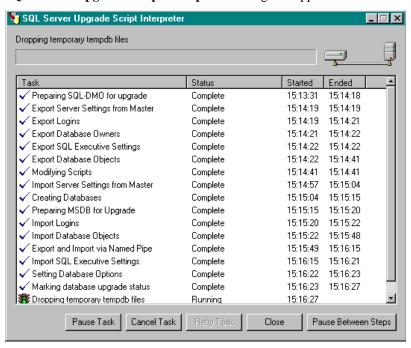
8 Click **Edit** to view or change the default disk layout for the files that will contain the converted SQL Server 7.0 databases. When you do so, the **Database Layout** dialog box appears.



9 In the Proposed 7.0 Database Layout box, you can change the destination drive and directory and the size of the file groups that will contain your converted 7.0 databases. When complete, click Accept to return to the Database Creation dialog box. Click Next to continue. The System Configuration dialog box appears.



10 The System Configuration dialog box allows you to choose which configuration items to transfer during the upgrade process. Baan recommends that you accept the defaults. Click Next to continue. The Completing the SQL Server Upgrade Wizard dialog box appears. This dialog box contains a summary of your input during the Upgrade Wizard session and the actions to be taken during the upgrade process. Click Finish to start the upgrade. The SQL Server Upgrade Script Interpreter dialog box appears.



- 11 The SQL Server Upgrade Script Interpreter window displays the progress of the upgrade. A traffic signal with a green light appears next to the process currently running. The light changes to yellow if the interpreter is waiting for some event, such as a server restart, to occur. Once a task is successfully completed, the status changes to **Complete**, a check mark appears, and the next task is started. When the upgrade script is complete, an Upgrade Complete! message appears.
- 12 Click **OK** to continue. Click **Close** to leave the SQL Server Upgrade Script Interpreter script.

This completes the SQL Server Upgrade Wizard portion of the migration process. You may need to manually start SQL Server in order to access it. Continue with the following section, "To Configure BAAN IV for SQL Server 7.0".

To configure BAAN IV for SQL Server 7.0

This section describes how to configure BAAN IV to work with SQL Server 7.0. To do this, you must perform the steps described in the following sections:

- Convert the schema
- Configure Baan to use the SQL Server 7.0 driver

When the SQL Server Upgrade Wizard is complete, your operating system will be configured for (switched to) SQL Server version 7.0. You may need to start the SQL Server to access it. Also, note that the SQL Server 6.5 installation and the SQL Server 7.0 installation use two distinct databases after the conversion. Changes to one database will not be reflected in the other.

The Baan database drivers for Microsoft SQL Server that are shipped with the Baan SQL Server version 6.5 to version 7.0 migration kit have been updated. Now both the Baan driver for SQL Server 6.5 and SQL Server 7.0 will work with SQL Server 7.0. The Baan driver for SQL Server 7.0 (msql7_srv) exploits some SQL Server 7.0-specific features that are not available in SQL Server 6.5.

Note The Baan driver for SQL Server 7.0 is not compatible with SQL Server 6.5.

Before you start configuring the software for new BAAN database drivers, you must make sure that all application making use of the BAAN software, are closed. The BAAN software, however, must be up and running!

To convert the schema

Early releases of the Baan SQL Server 7.0 driver did not support the SQL Server 6.5 schema compatibility feature. If your Baan SQL Server 7.0 driver does not support the SQL Server 6.5 schema compatibility feature, you must convert the schema as described in this section. However, if your Baan SQL Server 7.0 driver does support this feature, you may choose to skip this section and proceed to the section, "Setting the schema compatibility feature". The 6.5 schema compatibility feature debuts with the 6.1c.03.01 porting set. Contact your Baan support representative to determine if you have the driver that supports this feature.

Version 7.0 of Microsoft SQL Server has higher limits for the maximum length of a character column (8060 bytes) than version 6.5 (254 bytes). Tables migrated from SQL Server 6.5 via the SQL Server upgrade Wizard will retain their original 6.5 column size limits. Baan returns an error message 512 (E_BDB_DD_CORRUPT) if you encounter this mismatch while accessing a table with the 7.0 driver.

Note

Note

A number of tables must be exported with the 6.5 driver and then imported with the SQL Server 7.0 driver to allow the SQL Server 7.0 database driver to work properly with the data migrated from SQL Server 6.5. This process recreates the tables with the new (higher) limits.

To convert the schema, follow these steps:

- 1 Click **Start**, and then point to **Programs**. Point to **MSSQL Server Switch**> and then click **MSSQL 6.5**.
- 2 Start the SQL Server service by selecting Services in the Control Panel.
- 3 Create a directory for the conversion files and change to that directory. You are free to choose a location and a name for this directory. In the example below, the directory is created in the C:\Baan directory and is called conv70.

```
C:\Baan> md conv70
C:\Baan> cd conv70
```

4 Use Notepad or a similar text editor to create a file called conv000.txt.

C:\Baan\conv70> notepad conv000.txt

Add the following lines of text to the **conv000.txt** file and save the file:

ttaad410 ttadv020 ttadv304 ttadv335 ttadv364 ttadv992

tttss010

5 Use Notepad or a similar text editor to create a file called **convXXX.txt**.

C:\Baan\conv70> notepad convXXX.txt

Add the following lines of text to the **convXXX.txt** file and save the file:

tcedi750 tuddc100 tuddc110 tuddc901 tuxch001 tuxch901 6 Make sure the BSE environment variable is set. You may need to set it manually as in the example below. From within the conv70 directory, run the bdbpre utility to export the SQL Server company 000 tables that need to be converted. The conversion file for company 000 is **conv000.txt**. To run bdbpre type the following:

C:\Baan\conv70> set BSE=C:\Baan

C:\Baan\conv70>%BSE%\bin\bdbpre -I conv000.txt -C000 > conv000.pre

Note

You may encounter error 513 (E_BDB_NO_DD) on some tables during this process. This simply means that the table does not exist in your version of Baan. These errors can be ignored.

C:\Baan\conv70>\%BSE\\bin\bdbpre -I conv000.txt -C000 > conv000.pre

7 For all other companies that exist in SQL Server, use the convXXX.txt conversion file. You can use this conversion file to export the tables that need to be converted. For example, to export the tables in company 750 for conversion, type the following:

C:\Baan\conv70>%BSE%\bin\bdbpre -I convXXX.txt -C750 > conv750.pre

To set the schema compatibility feature

If your SQL Server 7.0 driver supports the SQL Server 6.5 schema compatibility feature and you have not carried out the steps described in the previous section, you must enable the schema compatibility feature. However, if you have carried out the steps in the previous section, you do not need to enable the schema compatibility feature.

To enable the schema compatibility feature, add the following line to the **%BSE%\lib\defaults\db** resource file:

msql_65_schema:1

To configure Baan to use the SQL Server 7.0 driver

After converting the schema or setting the schema compatibility feature, you must configure BAAN IV to use the SQL Server driver. To configure BAAN IV, follow these steps:

- 1 Click **Start**, and then point to **Programs**. Point to **MSSQL Server Switch** and then click **MSSQL 7**.
- 2 Start the SQL Server service by double-clicking Services in the Control Panel.

- 3 Start Baan and run the Maintain Database Definitions session. Change all entries that are mapped to the MSQL Server 6.5 driver to instead use the MSQL Server 7.0 driver. From the Special menu, choose Convert to Runtime to effect the change. Exit the Baan session and menu browser completely. From now on, any Baan session started with tables mapped to MSQL Server 7.0 will use the new driver for Microsoft SQL Server 7.0.
- 4 If you followed the steps in "To Convert the schema" section in this chapter, you must run the bdbpost utility program for each company for which you exported data. This will drop, recreate, and import the data for the tables that must be converted. The following example runs bdbpost for company 000:

C:\Baan\conv70>%BSE%\bin\bdbpost -k -m -n -f -I conv000.pre -C000

Note

The Baan database driver for SQL Server 7.0 will not run with SQL Server 6.5. If you run BAAN IV with SQL Server 6.5, you must change the driver mapping in the Maintain Database Definitions session back to its original state. Also, note that the SQL Server 6.5 and the SQL Server 7.0 installations use two distinct databases after the conversion. Changes to one database will not be reflected in the other.

This completes the Baan Configuration portion of the migration process. You may now tune SQL Server 7.0 and the Baan database driver as described in the following section.

To tune SQL Server 7.0 and the Baan database driver

For optimal performance you may tune SQL Server 7.0 and the Baan database driver as described in this section.

- 1 Click **Start**, and then point to **Programs.** Point to **Microsoft SQL Server 7.0** and then click **Query Analyzer**.
- 2 Type the following to enable advanced options:

EXECUTE sp_configure "show advanced options", 1 reconfigure with override

Execute the query by clicking the **Run Query** button.

3 Set the following tuning parameters:

To turn off SQL Server 6.5 compatibility mode, type the following:

EXECUTE sp_dbcmptlevel "baandb", 70

To disable parallel query, type the following:

EXECUTE sp_configure "max degree of parallelism", 1

4 Benchmark tests have shown that you can further increase your system performance by tuning the following parameters:

To set priority high, type the following:

EXECUTE sp_configure "priority boost", 0

To enable SQL Server fibers, type the following:

EXECUTE sp_configure "lightweight pooling", 1

To dynamically enlarge the number of open objects, type the following:

EXECUTE sp_configure "open objects",0 reconfigure with override

Execute the query by clicking the **Run Query** button.

5 Another optional setting that can increase performance is to adjust the NT Global Environment settings. To do this, right click **My Computer**, select **Properties**, click the **Environment** tab, and set:

USERWEIGHTING=2.0

6 You can, as an option, edit \$BSE\lib\defaults\db_resource to include:

dbsinit:01 lock_retry:0 bdb_max_session_schedule:50

This completes the data migration process. You can now run BAAN IV with the converted SQL Server data.

Migrating	from	Microsoft	SOL	Server	6.5 to	SOL	Server	7.0