forward faster

SSA® Baan ERP 5.0c

Installation Guide for Microsoft SQL Server

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About this Guide

This document is an Installation Guide that describes how to install and configure Baan ERP 5.0c on a Microsoft Windows 2000 platform that runs Microsoft SQL Server. This document also describes how to install and customize the Microsoft SQL Server database management system for Baan ERP.

This document is intended for Baan ERP installers and system administrators. The reader is assumed to be familiar with the system administration of Microsoft Windows 2000 systems. In addition, understanding the contents is easier if you are familiar with the structure of Baan ERP 5.0c with the following:

- Package VRCs
- Package combinations
- Derived-from structure

The purpose of this document is to help you set up a standard environment. For tuning information, refer to the *Baan ERP Technical Reference Manual for Microsoft SQL Server Database Driver* (U7366C US).

This document contains the following chapters and appendices:

Chapter 1, “Microsoft SQL Server installation,” lists the activities you must perform to install the Microsoft SQL Server.

Chapter 2, “Baan ERP 5.0c installation,” describes how to install and configure the Baan ERP 5.0c software.

Chapter 3, “Post-installation procedures,” provides recommended and optional post-installation procedures.

Appendix A, “To create manually the database for Baan ERP 5.0c,” describes how to do the following:

- Use SQL Server to create manually a database for Baan ERP 5.0c.
- Create Baan ERP 5.0c database users and groups.

Appendix B, “Unattended installation of Baan ERP 5.0c,” describes how to perform an unattended installation or uninstallation of Baan ERP 5.0c.

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 kd@baan.com.

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

Chapter 1
Microsoft SQL Server installation

1

This chapter describes how to install and configure the Microsoft SQL Server version 2000 software. This chapter covers the following topics:

- Hardware and software requirements
- Microsoft SQL Server installation
- Test the SQL Server installation

Important documentation:

For more detailed technical information, refer to the *SSA® Baan ERP Technical Reference Manual for Microsoft SQL Server Database Driver* (U7366C US).

For best results, before you continue with this manual, review the *Deployment Guide for SSA® Baan ERP 5.0c* (U8026C US) for more specific background information.

Hardware and software requirements

The Baan ERP 5.0c installer for Microsoft SQL Server supports the configuration in which both SQL Server and Baan ERP 5.0c are on the same server.

You can use various hardware configurations to install Baan ERP with MSSQL. To find the correct hardware equipment for your Baan implementation, you can request a sizing by Baan. You must think in advance about the use and redivision of the system. Undersized or oversized hardware can cause serious problems while you work with the Baan software. The following minimum hardware and software requirements apply for a system in which both SQL Server and Baan ERP 5.0c are installed on the same machine:

To install SQL Server and Baan ERP 5.0c, your system must meet the following hardware and software requirements:

- An Intel system with at least a Pentium processor
- 64 MB of main memory (RAM) and 8 MB for each additional user
- 64 MB of paging space (virtual memory)
- Microsoft Windows 2000 Server with the latest Service Pack installed

The latest Service Pack for Windows 2000 is available at the following link:

http://www.microsoft.com/windows2000/downloads/servicepacks/default.asp

- Microsoft Windows 2003 Server with the latest Service Pack installed

The latest updates for Windows 2003 are available at the following link:

http://www.microsoft.com/windowsserver2003/downloads/default.mspx

- Microsoft SQL Server version 2000 (Enterprise or Standard Edition) or later
- CD-ROM drive
- Network adapter supported by Windows 2000: The network interface card must be installed and configured, but need not be connected to a network.

Note

For more information on how to set up your Windows 2000 server, refer to the *Windows 2000 Installation Guide*.

Note

Additional network software is not required because SQL Server runs on the Windows 2000 platform through the built-in network software.

Microsoft SQL Server installation

To install the Microsoft SQL Server software, take the following steps:

Note1

Make sure that you have Microsoft SQL Server 2000 Standard Edition or Enterprise Edition. If you plan to install the Enterprise Edition, you must also have the Enterprise version of Windows 2000 installed.

Note2

For SQL Server 2000, you must use the latest Service Pack. The latest Service Pack for SQL Server 2000 is available at the following link:

http://www.microsoft.com/sql/downloads/default.asp

Note3

When you install the SQL server on Windows 2000, run the appropriate setup through the Add/Remove Programs wizard in Control Panel. Take the following steps:

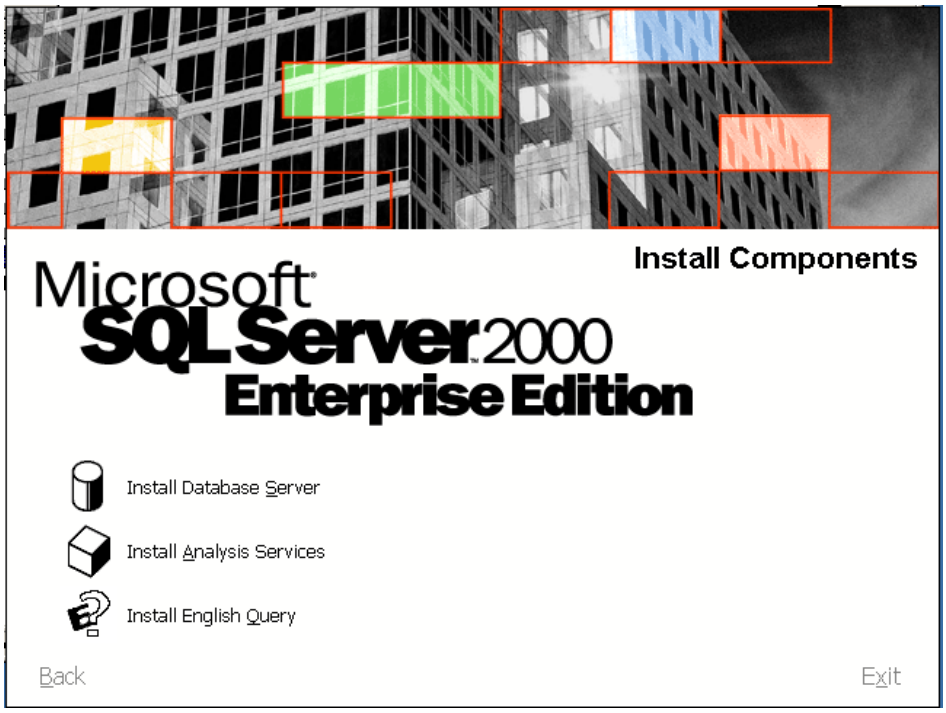
1. Click **Start**, point to **Settings**, click **Control Panel,** and double-click **Add/Remove Programs**.
2. Click **Add New Programs**.
3. Click **CD** or **Folder**.
4. Click **Next**.
5. Go to the appropriate setup program or accept the setup program found and click **Next.**

   The set-up program now launches and you can start the installation procedure.

   The procedure to perform the installation process for Internet Explorer consists of the following steps:

1. Log on as a user with administrator rights.
2. Insert the Microsoft SQL Server distribution CD-ROM in the CD-ROM drive. The system automatically displays the SQL Server installation options. To run the autorun program manually, double-click **Autorun.exe** in the root folder of the SQL Server 2000 CD-ROM.

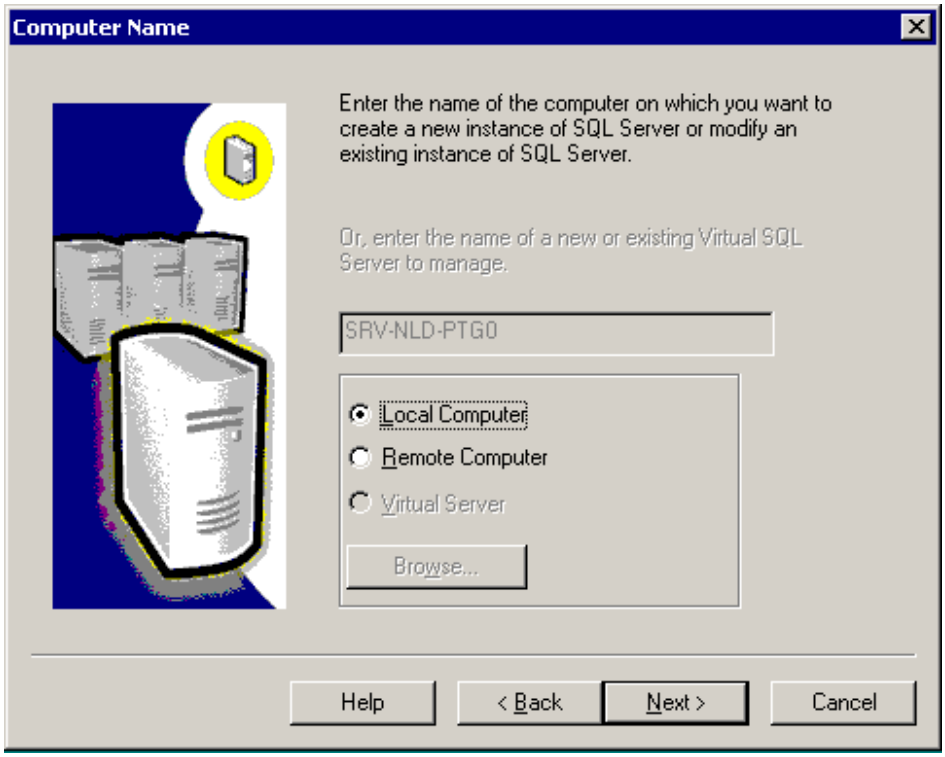
3 Click **SQL Server 2000 Components**. The **Install Components** dialog box appears:



4 Click **Install Database Server**. The **Welcome** dialog box appears.

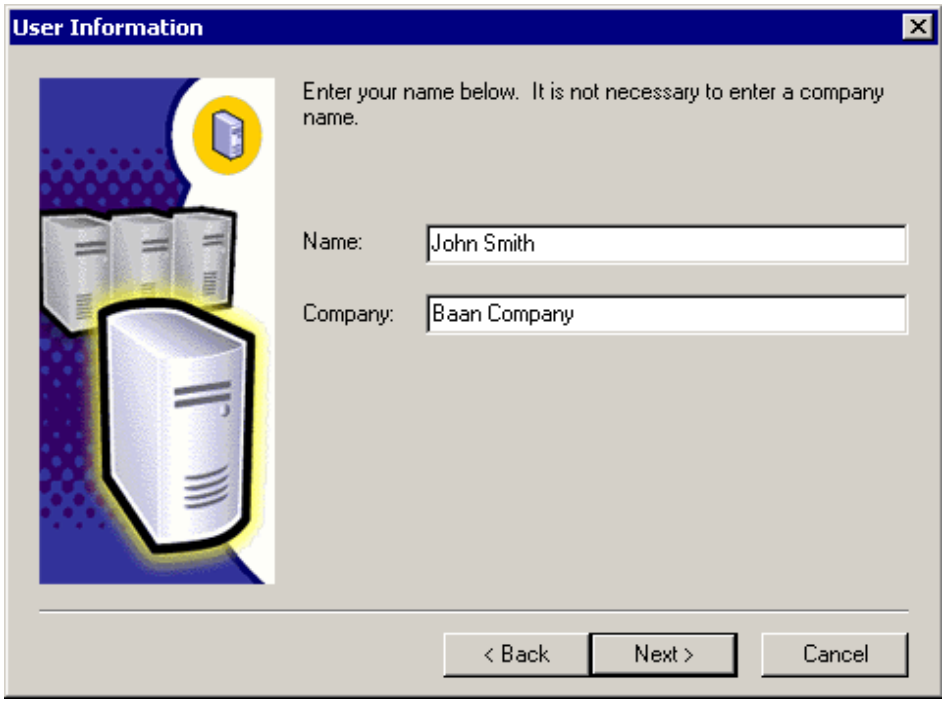
5 Click **Next** to continue.

The **Computer Name** dialog box appears.



6 Click **Local Computer** and click **Next**. The **Installation Selection** dialog box appears.

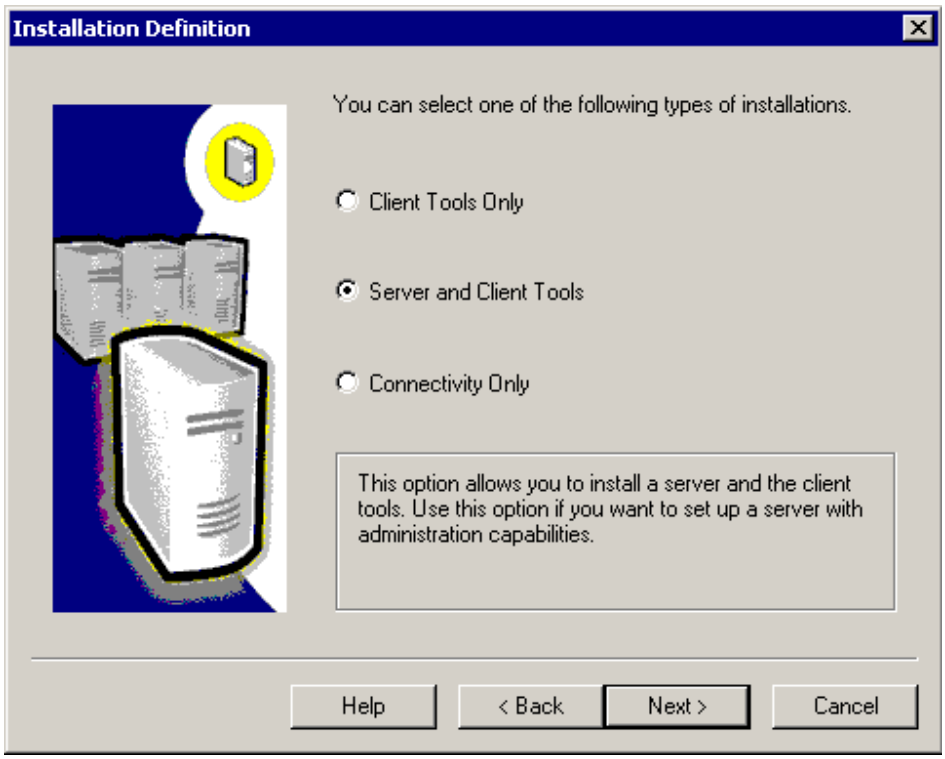
7 Select **Create a New Instance of SQL Server** or **Install Client Tools** and click **Next** to continue. The **User Information** dialog box appears, which asks you asks you to enter the name and company of the person who will install the software to install the Microsoft SQL Server software for the first time.



8 Type a user name and company name and click **Next** to continue. The **License Agreement** dialog box appears.

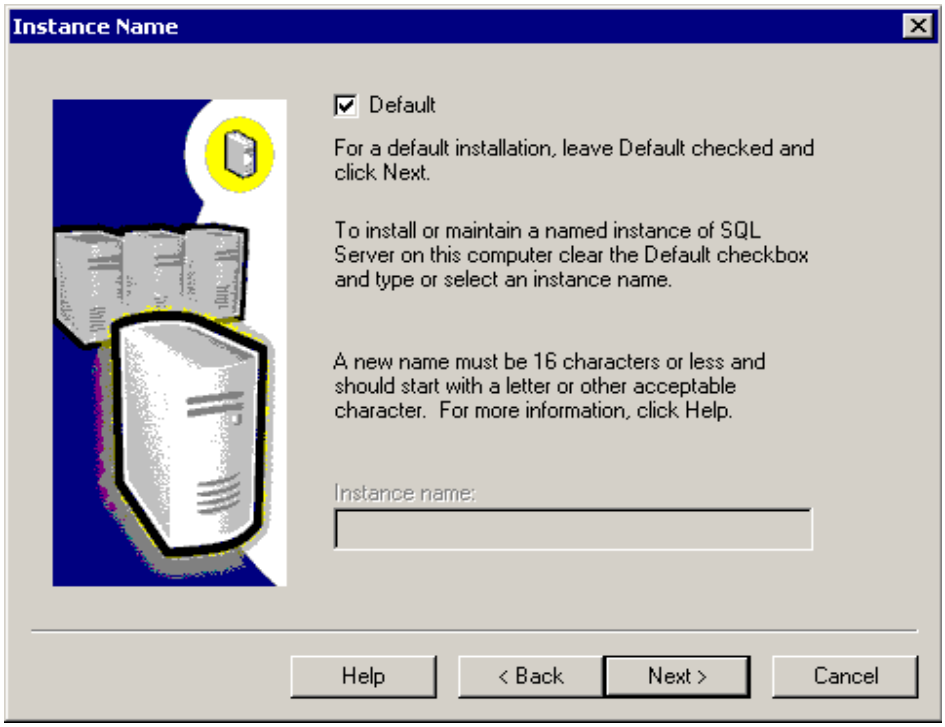
9 Read the License Agreement thoroughly and, if you accept the terms of the agreement, click **Yes.** The **CD-Key** dialog box appears.

10 Enter your CD-key and click **Next**. The **Installation Definition** dialog box appears:



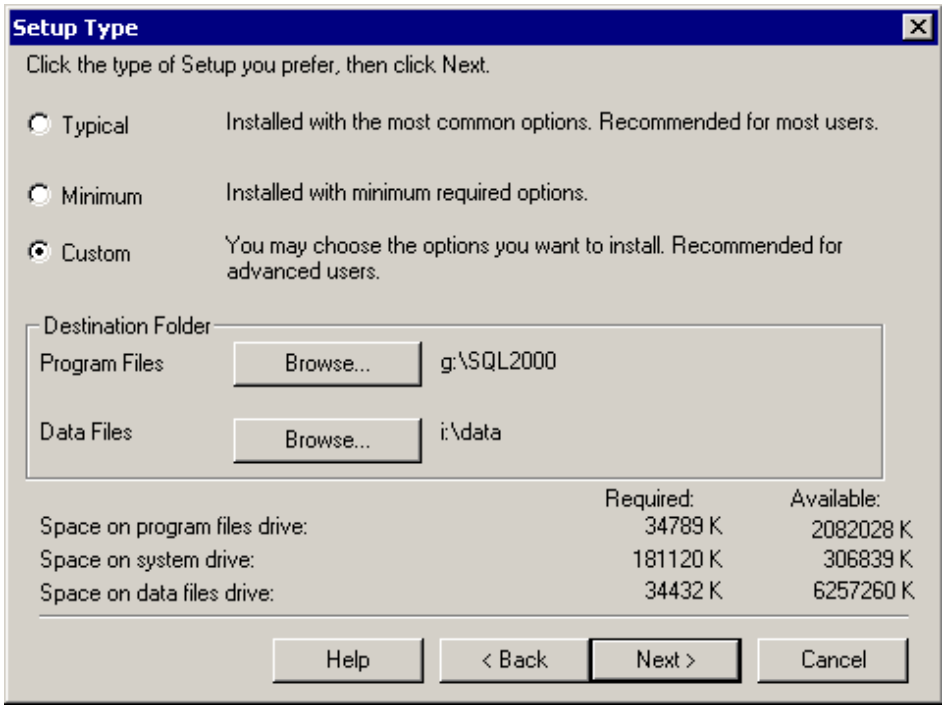
11 Click **Server and Client Tools** and click **Next**.

The **Instance Name** dialog box appears:



12 Select the **Default** check box for a default installation and click **Next**.

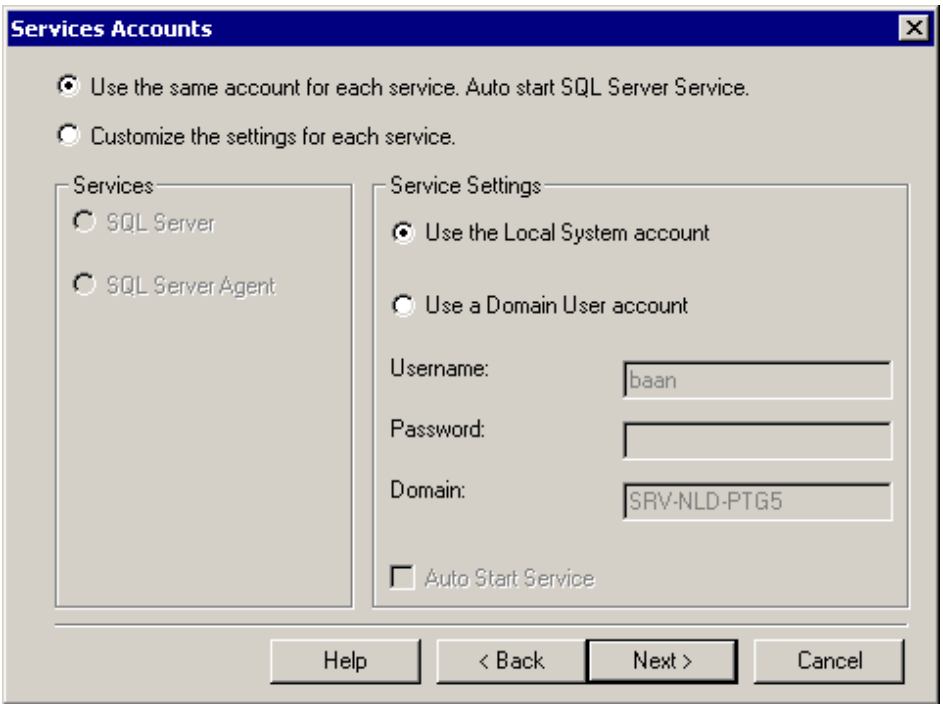
The **Setup Type** dialog box appears.



13 Click **Custom** to specify a custom installation, because particular configuration requirements for Baan might not match the defaults in a typical or minimum installation. Note that you can browse and set the destination folders for the SQL Server program files and data files.

14 Click **Next** to continue. The **Select Components** dialog box appears.

15 Accept the default configuration and click **Next**. The **Services Accounts** dialog box appears:



16 Click **Use the Same Account for Each Service. Auto start SQL Server Service,** and in the **Service Settings** area, click **Use the Local System Account in the Service Settings** dialog box.

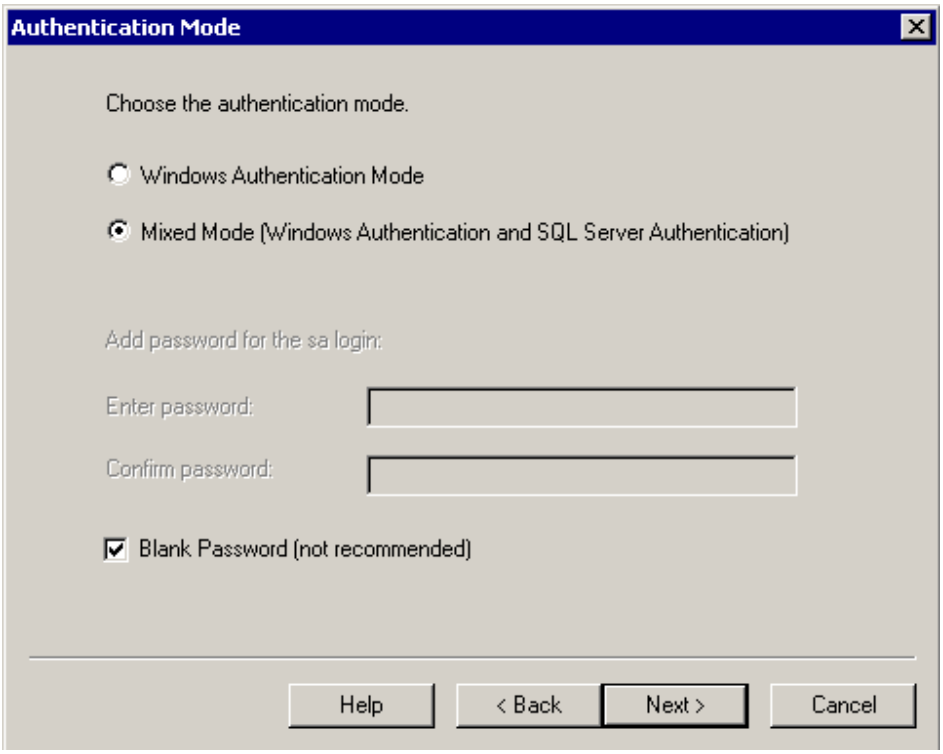
Note

You use the **Use the Same Account for Each Service. Auto start SQL Server Service** to start the SQL Server automatically at system startup.

This completes the Baan-recommended selections. However, you can optionally also select **Customize the Settings for Each Service**.

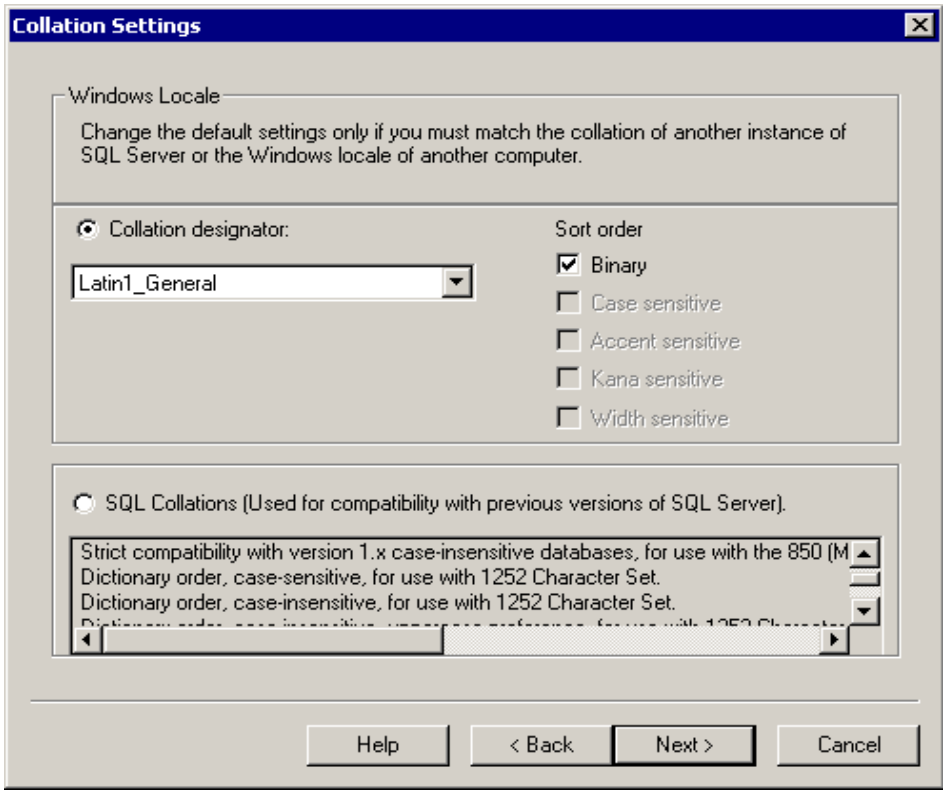
17 Click **Next**.

The **Authentication Mode** dialog box appears:



18 Choose the authentication mode **Mixed Mode** and click **Next**.

The **Collation Settings** dialog box appears:



A sort order is a set of rules that determines how SQL Server collates and presents data in response to database queries. You must select the correct sort order during the installation of SQL Server. If you must change sort orders after you install the SQL Server, you must rebuild your databases and reload your data.

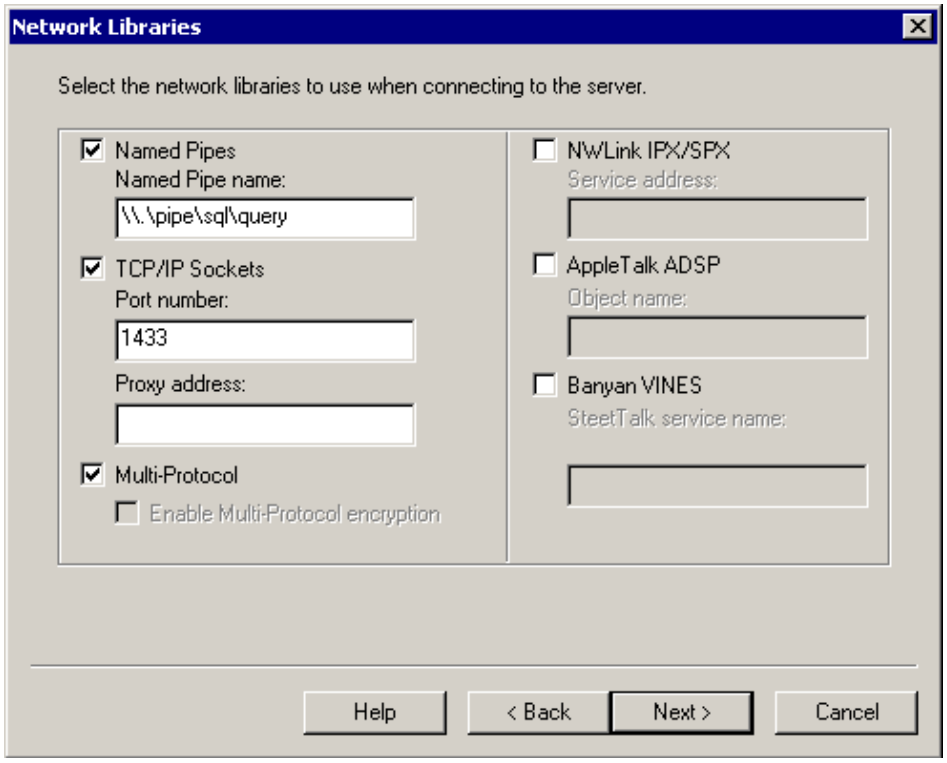
Note

For more information about the various sort orders, refer to “Sort orders,” in the SQL Server Setup Help on the CD-ROM, or read Chapter 1 of the *Microsoft Windows 2000 Server Installation Guide*.

19 Select the appropriate sort order. For Baan IV, you must select the **Binary** check box to use binary order.

20 Click **Next**.

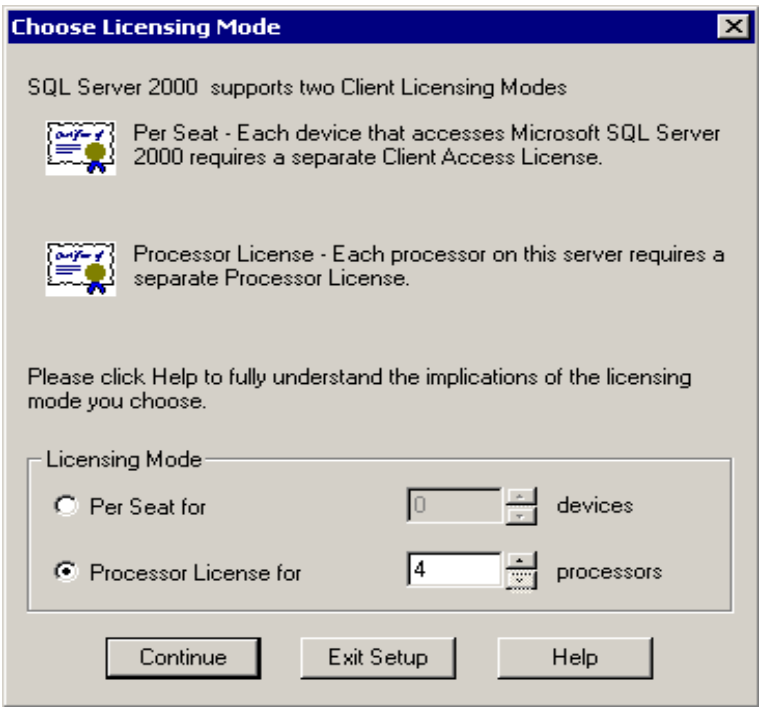
The **Network Libraries** dialog box appears:



21 Make sure that the **TCP/IP Sockets** and **Multi-Protocol** check boxes are also selected. You can accept the default TCP/IP port number **1433**. The **Named Pipes** protocol is selected automatically

22 Click **Next**.

23 Click **Next** to start to copy the files. The **Choose Licensing Method** dialog box appears:



24 Choose your preferred licensing mode and click **Continue.**

25 Complete the licensing procedure and click **Continue**. If you require more information, click **Help**. In addition, if you click **Per Seat For**, be sure to enter the number of concurrent connections.

Baan ERP now copies the files to the appropriate directories and displays a progress bar. In addition to the SQL Server 2000 software, the set-up procedure installs the Microsoft Data Access Components, Microsoft Management Console, and Microsoft Distributed Transaction Coordinator, among other components.

26 Click **Finish** to complete the installation of Microsoft SQL Server 2000.

Test the SQL Server installation

When the SQL Server installation is complete, to test the installation, you can connect to the server locally with the ISQL utility from the server. To test the SQL Server installation, take the following steps.

1. Log on as a user with administrator rights.
2. Click **Start**, point to **Programs**, and click **Command Prompt**.
3. Enter the following command to connect to SQL Server:
   - C:\> isql /Usa /P
4. Verify that the command displays the following prompt:
   - 1>

   This confirms that **isql** can connect to the database server.

   Note

   If **isql** cannot connect, the system displays a DB Library error. For more information, refer to the *Microsoft SQL Server Troubleshooting Guide*.
5. Enter the following query to display the version of your MS SQL Server.
   - 1> select @@version
   - 2> go
6. Verify that **isql** displays the server name, as shown in the following example:

```
Microsoft SQL Server 2000 - 8.00.194 (Intel X86)

  Aug  2000  00:57:48

  Copyright (c) 1988-2000 Microsoft Corporation

  Enterprise Edition on Windows NT 5.0 (Build 2195: Service
Pack 2)

(1 row affected)

1>
```

7. Enter the following command to return to the command prompt.
   - 1> exit

   This completes the SQL Server installation testing.

To tune SQL Server

For optimal performance, take the following steps to tune SQL Server:

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

```
EXECUTE sp_configure "show advanced options", 1

reconfigure with override
```

3. Click **Run Query** to run the query.
4. Set the following tuning parameter to disable the parallel query:

```
EXECUTE sp_configure "max degree of parallelism", 1
```

5. Click **Run Query** to run the query**.**

To further increase your system performance, note the following:

To deploy SQL Server on a machine on which other applications are installed, you must accept the default value of 0 for **Priority Boost**.

To deploy SQL Server on a dedicated machine, you must enable priority boost. Type the following:

```
EXECUTE sp_configure "priority boost",1
```

To enable SQL Server fibers, type the following:

```
EXECUTE sp_configure "lightweight pooling",1
```

The **Max Worker Threads** parameter has a default value of **255**. Which value is adequate depends on your machine. To give an impression: a value of 125 can suffice for a machine with four CPUs, while a machine with two CPU's can do with a value of 85. To set the parameter, type the following:

```
EXECUTE sp_configure "max worker threads",255
```

Note

The **Max Worker Thread** parameter is only accepted in multiples of two. Other values are rejected as "Not a valid value."

The SQL Server sets the **Open Objects** parameter depending on the current needs of the system. In most cases, you do not have to change this value. To configure this parameter with the value **0**, SQL Server automatically calculates which value is adequate.

```
EXECUTE sp_configure "open objects", 0
```

To carry out the query, click **Run Query**

Another optional setting that can increase performance is to adjust the NT Global Environment settings. To make this adjustment, right-click **My Computer,** and on the shortcut menu, click **Properties➢Advanced** tab ➢ **Environment Variables** ➢ **System Variables** ➢ **New** and set the following:

```
USERWEIGHT=2.0
```

6 Create of edit the Db_resource file. You can find this file in **$BSE\lib\defaults\db_resource** to include:

- dbsinit:01
- lock_retry:0
- bdb_max_session_schedule:50

The system is now ready for the Baan ERP installation.

Chapter 2
Baan ERP 5.0c installation

2

This chapter provides the requirements and procedure to install Baan ERP 5.0c in the following sections:

- Installation requirements
- Baan ERP 5.0c installation procedure

Installation requirements

This section provides the following preinstallation information:

- The hardware and software requirements
- How to create the Windows 2000 user **baan**
- How to enlarge the event log
- The installation considerations

Hardware and software requirements

Before you install Baan ERP, verify that you have the following available:

- Baan ERP 5.0c installation CD-ROM
- Windows 2000 or Windows 2003, installed and running

- Microsoft SQL Server version 2000 installed and running, as described in Chapter 1, “Microsoft SQL Server installation.”
- Approximately 3 GB of available disk space
- One gigabyte of disk space during the installation of the Baan ERP application. Only about 550 MB is actually used once the installation is completed and all temporary installation files are removed. Note that you can only install Baan ERP on a local NTFS-formatted file system.
- At least 2 GB of available disk space is required to accommodate the SQL Server data and log files for Baan ERP. A fully loaded database needs at least 800 MB for the tables and must have at least a 100 MB transaction log. Although these minimum sizes are sufficient to perform the initial installation, little additional space is available for new companies or data growth.
- A network interface card installed and configured

Create the Windows 2000 user **baan**

To create the Windows 2000 user **baan**, take the following steps:

1. Log on as a user with administrator rights.

   Note

   You must log on to the local server.

2. Click **Start**, point to **Programs**, click **Administrative Tools (Common)**, and click either **User Manager** or **User Manager for Domains**.
3. Click **New User** on the **User** menu and add the user **baan**.

   Note

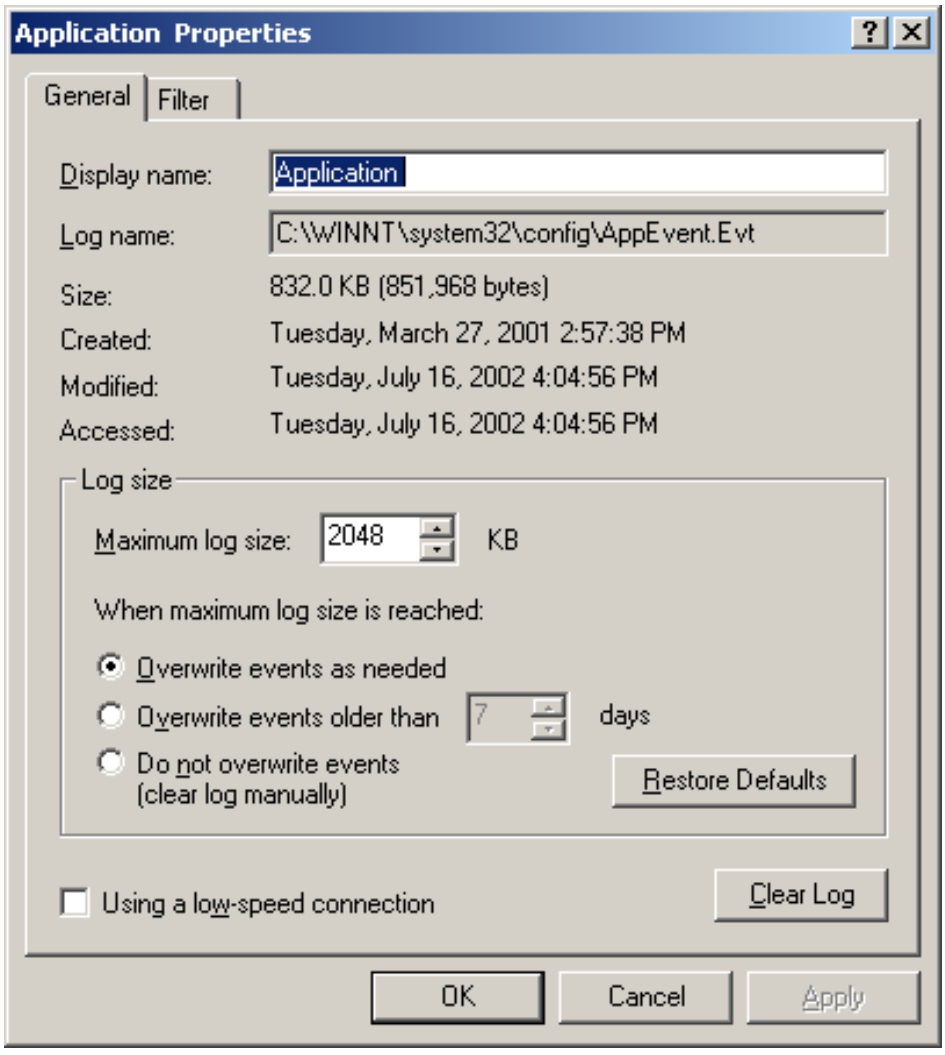
   You must initially create the user **baan** with the password **baan**. After you successfully install the Baan ERP software, you can change this password with the User Manager in Windows 2000 and the Database Administration sessions in Baan ERP.

4. Click the **Groups** button and add the appropriate groups to user **baan**’s profile to make this user a member of the **Users** and **Administrators** groups.

Enlarge the event log

Prior to the Baan ERP installation, you must enlarge the Windows 2000 event log. To enlarge the event log, take the following steps:

1. Select **Event Viewer** from the **Administrative Tools (Common)** program group.
2. Right-click **Application Log,** and on the shortcut menu that appears, click **Properties**. The **Application Properties** dialog box appears.
3. Make sure that the **Change Settings For** field specifies the **Application Log**:



4. Change the setting in the **Maximum Log Size** field to **2048**.

5 Click **Overwrite Events as Needed**.

6 Click **OK** and close the Event Viewer window.

Installation considerations

What if your database exists before the Baan ERP installation?

The Baan ERP installer enables you to create a new SQL Server database or specify the name of an existing SQL Server database to load the Baan ERP data. For best results, allow the Baan ERP installer to create the database for you. The Baan ERP installer enables you to create a database with one data file and one log file. If you have sophisticated database configuration requirements, you can create the database manually, for example, with SQL Enterprise Manager, and use that database name during the Baan ERP installation. Both methods are described in the following installation procedure.

Multiple environment support

Multiple Baan ERP installations, or environments, for each Windows system are supported in this release.

You can change the password for user baan after the installation

The Windows user **baan** must have the password **baan** while performing the Baan ERP installation. After you complete the Baan ERP installation, you can change the password for user **baan** with the Windows User Manager and the Database Users (ttdba0115m000) session in Baan ERP's Database Administration (DBA) module. For more information, refer to the *SSA® Baan ERP Administrator's Guide* (U7189 B US).

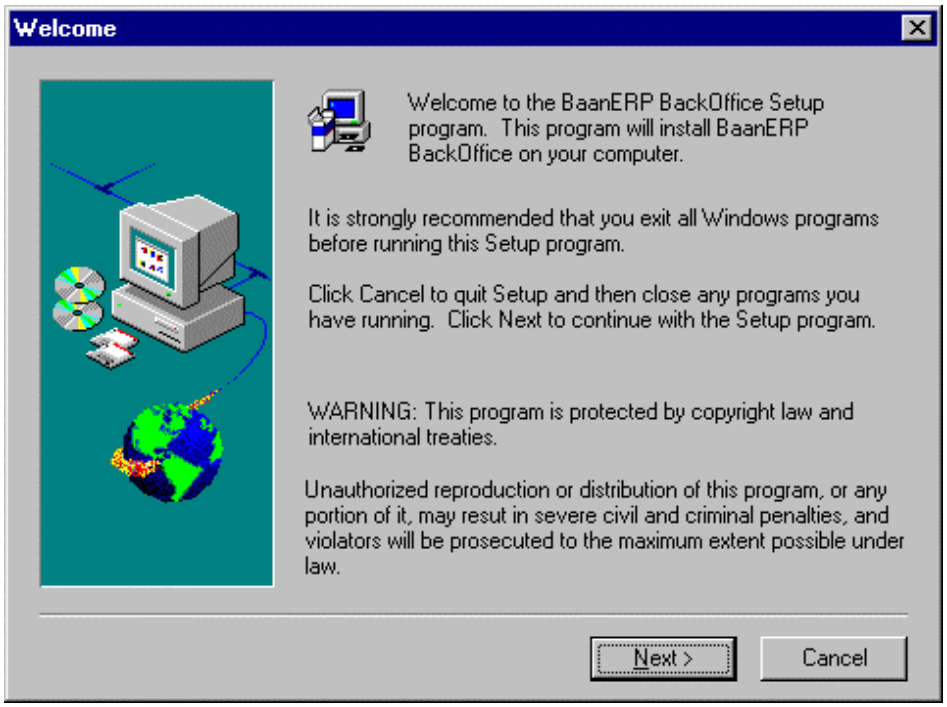
Baan ERP 5.0c installation procedure

To install Baan ERP, take the following steps:

1 Close all running applications.

2 Log on as user **baan**.

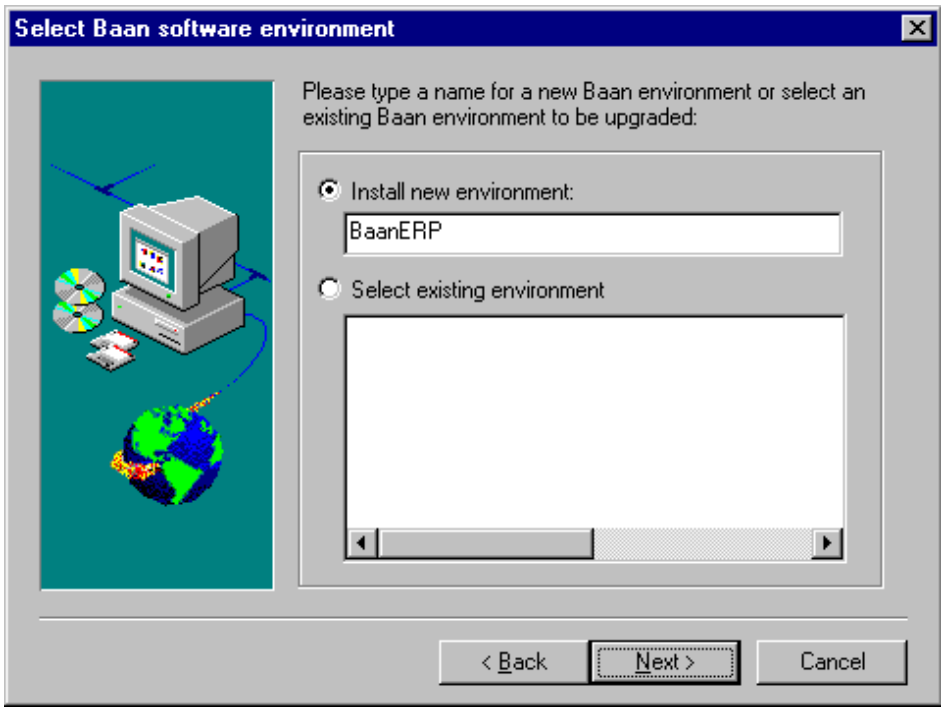
3 Insert the Baan ERP distribution CD-ROM in the CD-ROM drive. If autorun is enabled, the **Welcome** dialog box appears automatically:



If you must perform a manual launch of the Baan installation program, choose Setup.exe in the I386 subdirectory of the Baan installation CD-ROM.

4 Click **Next**. The Software License Agreement dialog box appears.

5 Read the license agreement thoroughly, and if you agree with the terms in the license agreement, click **Yes** to accept the license agreement. The **Select Baan Software Environment** dialog box appears:

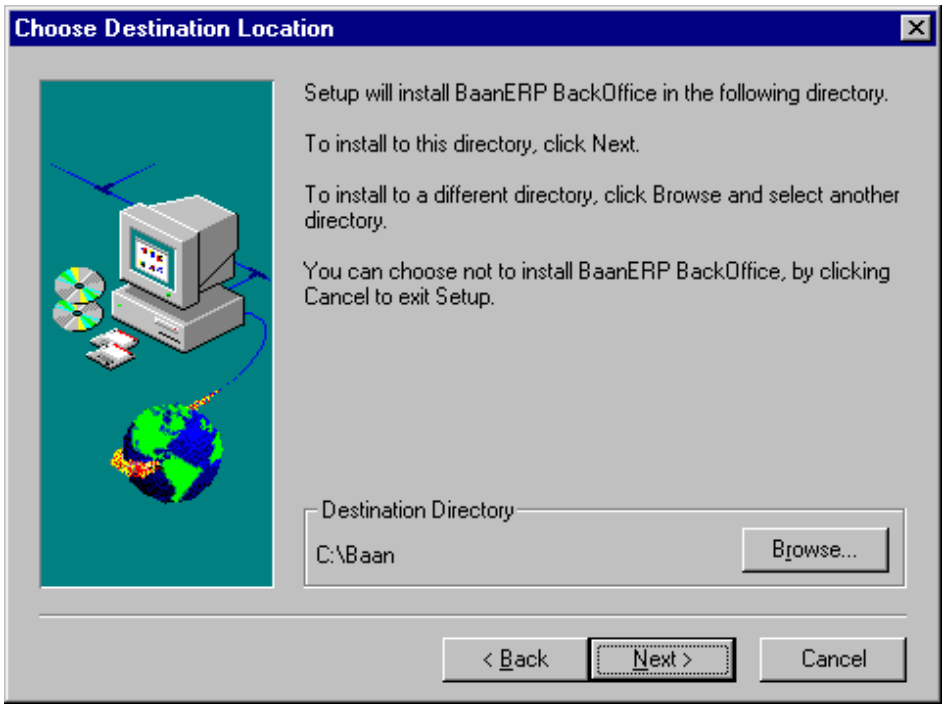


6 Click **Install New Environment**, enter a name for the environment, such as **Baan ERP** or some other unique name, and click **Next**.

The **Choose Destination Location** dialog box appears.

Note

The path that defines the destination location must not contain a space.

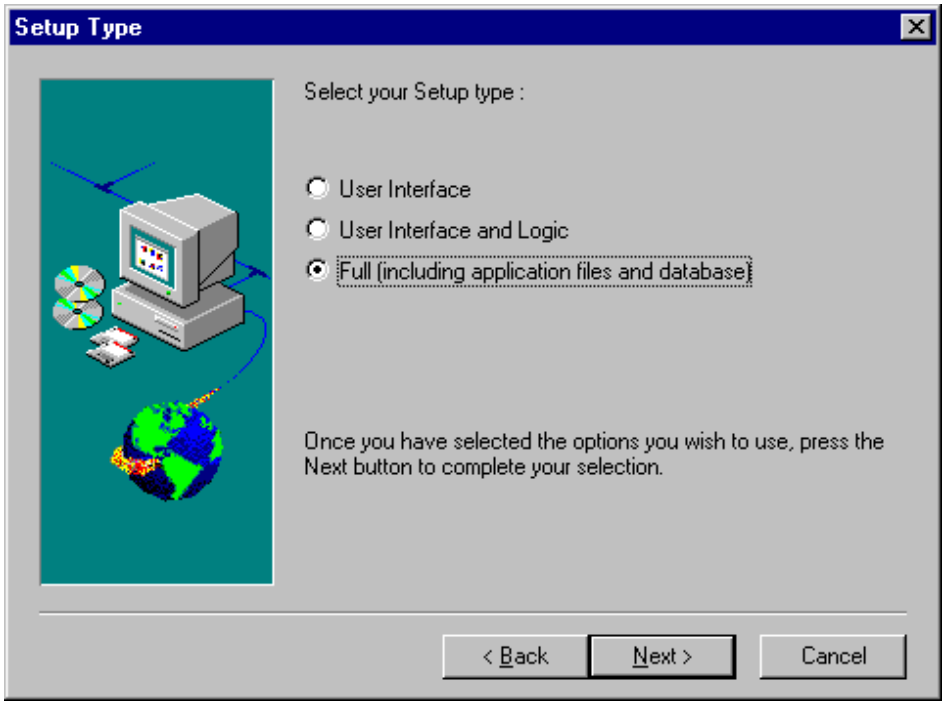


To accept the default path or enter another path (not a root directory), you can click **Browse**. If the target directory does not exist, you are asked whether you want to create this directory.

Do not enter a network drive as the target location of the Baan ERP files. The Baan ERP 5.0c services do not run from a network drive.

7 Click **Next**.

The **Setup Type** dialog box appears:

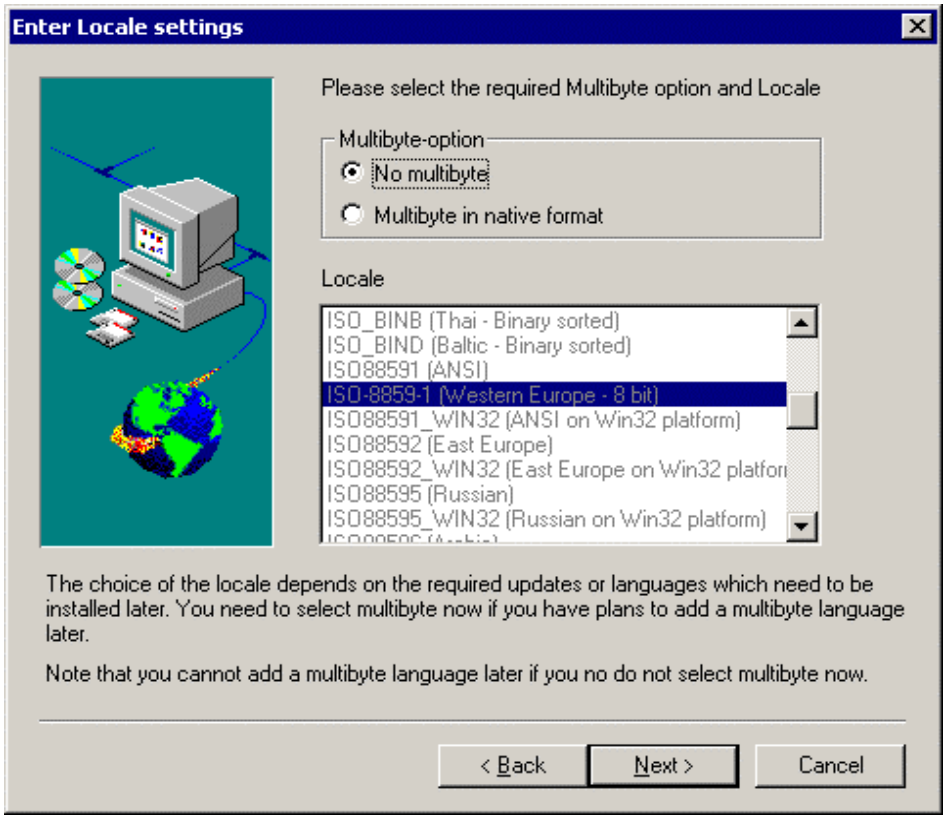


You can select one of the following options:

- **User Interface**: The Baan Client, also called SSA® Baan Windows (BW).
- **User Interface and Logic**: Referred to as the FAT client. The FAT client contains both the user interface and **some** application logic. The FAT client and can only be run on Windows 2000 or 2003.
- **Full (Including Application Files and Database)**: The complete Baan ERP 5.0c installation for Windows documented here.

8 Select **Full** as the setup type and click **Next**.

The **Enter Locale Settings** dialog appears:



9 Select your locale. In case of a U.S. English installation, you can click **No Multibyte** in the **Multibyte Option** field. The locale will be ISO-8859-1. To update your environment later with another language that requires multibyte, you must select **Multibyte in Native Format** now in the **Multibyte Option** field. The locale for US English will be the same.

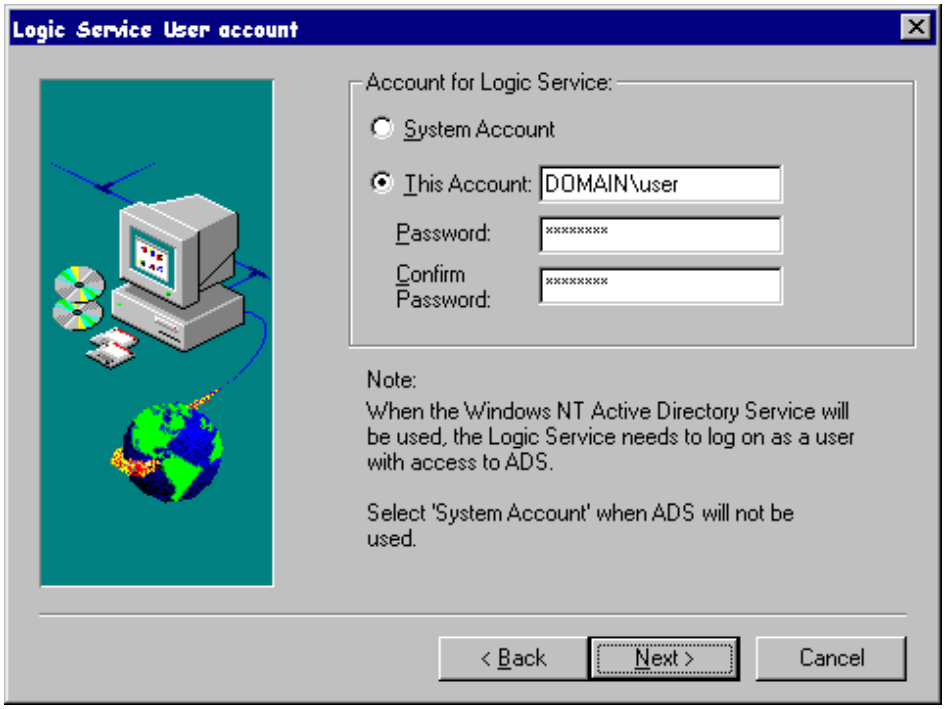
10 Click **Next** to continue.

Multibyte installation

In case of a multibyte install you can choose one of the following locales:

TSS_Locale in SSA® Baan ERP installer	NLS Locale in BW
BIG5_WIN32	Traditional Chinese (BIG5)
GB2312_WIN32	Simplified Chinese (GB)
KANJIEUC_WIN32	Japanese on Win32 platform
SHIFTJIS_WIN32	Japanese (SJIS)
WANSUNG_WIN32	Korean (WANSUNG)

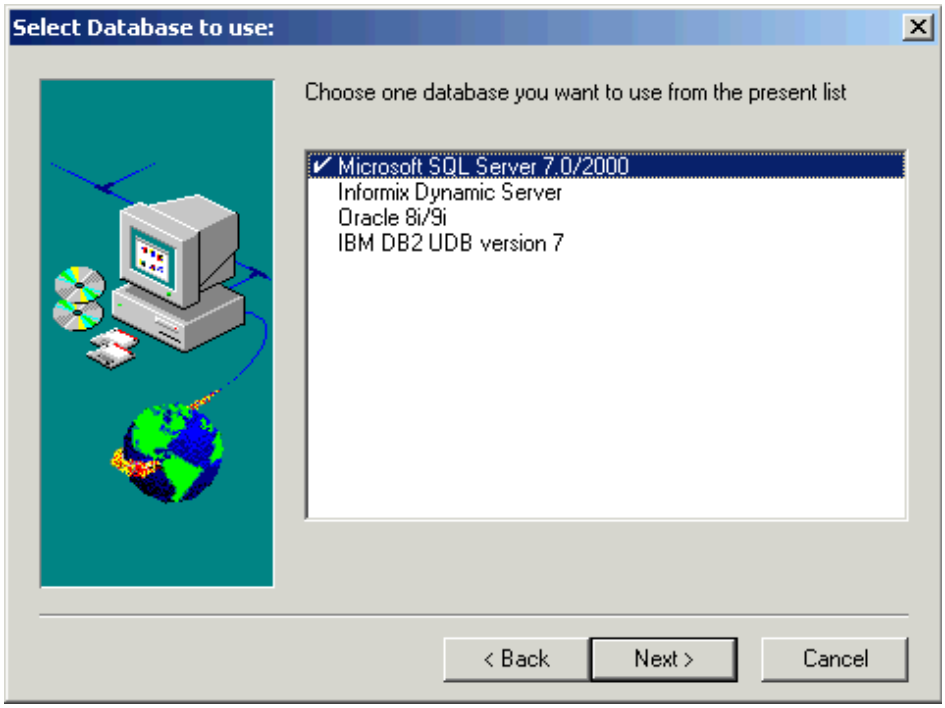
The **Logic Service User Account** dialog box appears:



The note on the screen is self-explanatory.

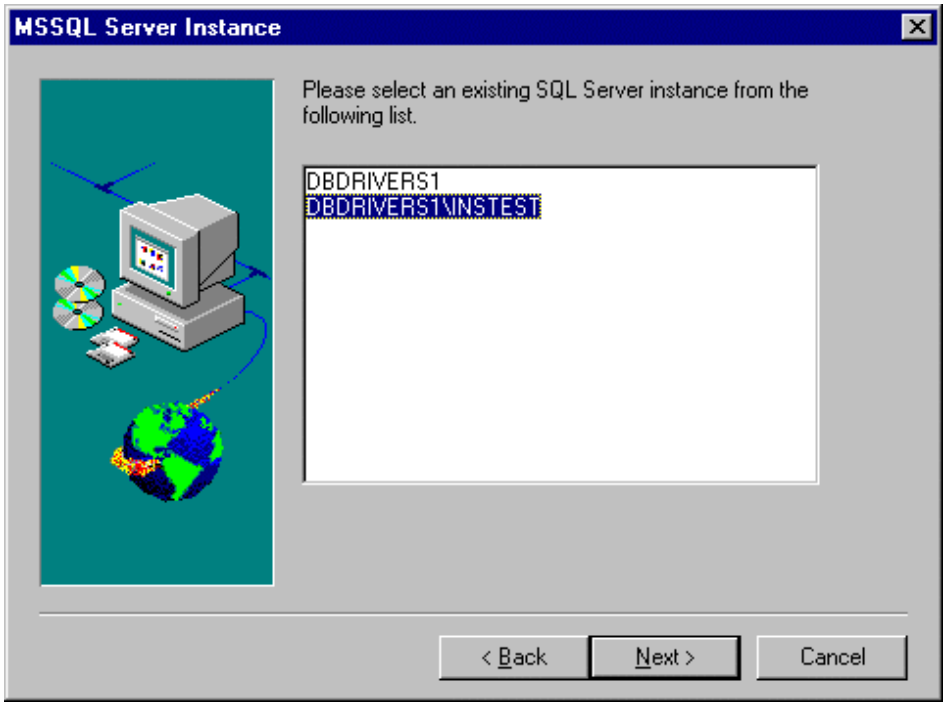
11 Click **Next** to continue.

The **Select Database to Use** dialog box appears:



12 Select **Microsoft SQL Server 2000** (the default) as the database to use and click **Next**.

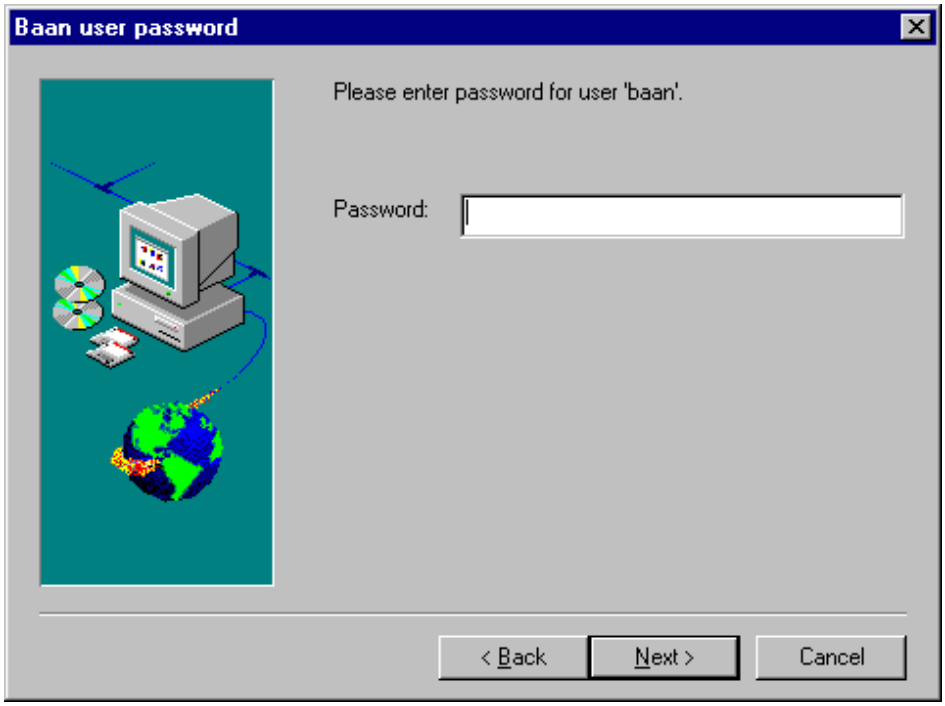
The **MS SQL Server** Instance dialog box appears:



SQL Server 2000 supports Multiple SQL Server Instances. This dialog box is only applicable for SQL Server 2000. Earlier versions do not support Multiple SQL Server Instances, which means that you can install Baan ERP 5.0c on one of the available SQL Server 2000 instances that are shown in this dialog box.

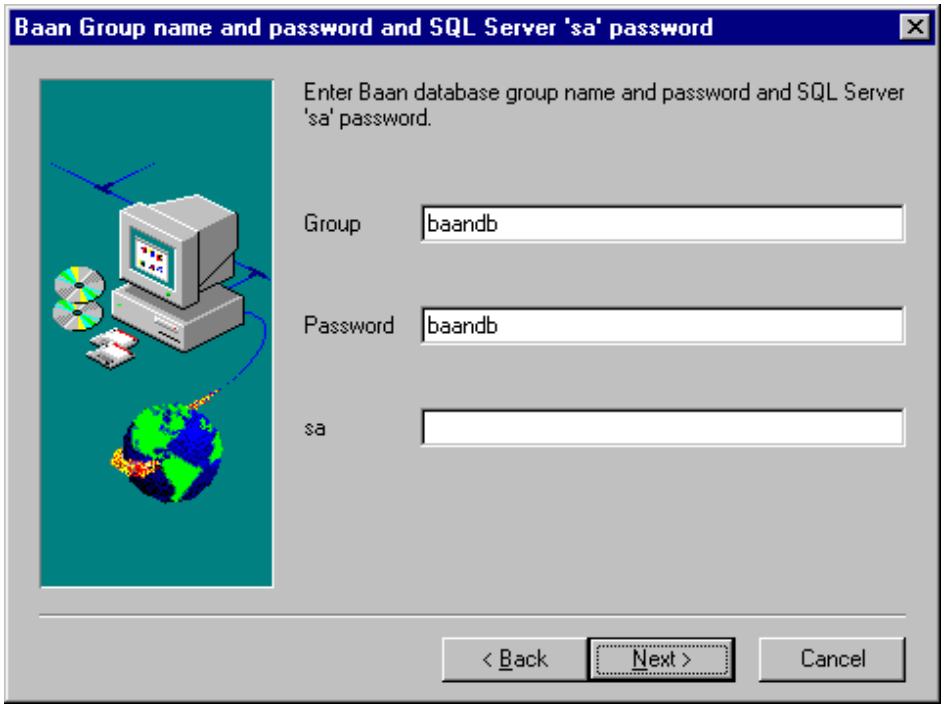
13 Click **Next**.

The **Baan User Password** dialog box appears:



14 Type **baan** and click **Next**.

The **Baan Group Name and Password and SQL Server ‘sa’ Password** dialog box appears:



In the **Group** field, the default name is **baandb,** which is used as an example for the remainder of this installation procedure.

Note

Do not use the group name **baan** because this setting will cause a conflict with permissions in MSSQL2000. For best results, use **baandb** or another name. The installation will fail if you use the name **baan** as a group name

Note

The group name is the name of the SQL Server database and the password is used for the DBO login.

CAUTION! The group name must be all lowercase and must not contain a space.

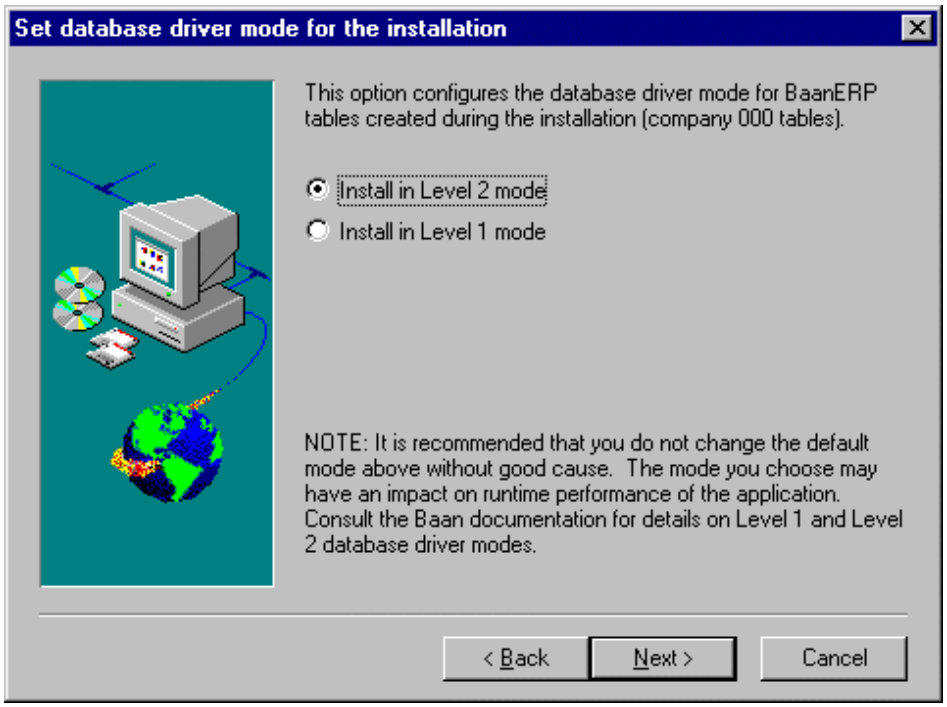
- If a database is not yet created, accept the default group name or type in another group name according to the rules specified in the previous Caution statement.

- If a database is already created, type the database name in the group field.

15 Type a password that you want to associate with the group in the **Password** field.

16 Type the password for the SQL Server **sa** login in the **sa** field. If you have not yet assigned a password to **sa**, leave the **sa** field empty.

17 Click Next to continue. The **Set Database Driver Mode for the Installation** dialog box appears:



This dialog box is only applicable for SQL Server 2000. Baan ERP 5.0c is supported in both levels. Choose the appropriate mode for your installation. Note that Baan recommends that you choose level 2.

18 Click **Next**.

Note

SQL Server 7.0 is supported only in level 1 mode. This dialog box will not appear if you try to install Baan ERP 5.0c on SQL Server 7.0.

The Baan ERP application communicates with the database by means of a database-specific driver.

This driver translates application queries into (database) native SQL queries, therefore, the application is database-independent.

Level 1 driver

For all databases supported by the Baan software, a so-called Level 1 driver is available. Level 1 signifies that the Baan database driver splits complicated Baan SQL statements into simple queries for the database server in an optimal way. As a result, the Baan software, rather than the database, performs the SQL statement optimization.

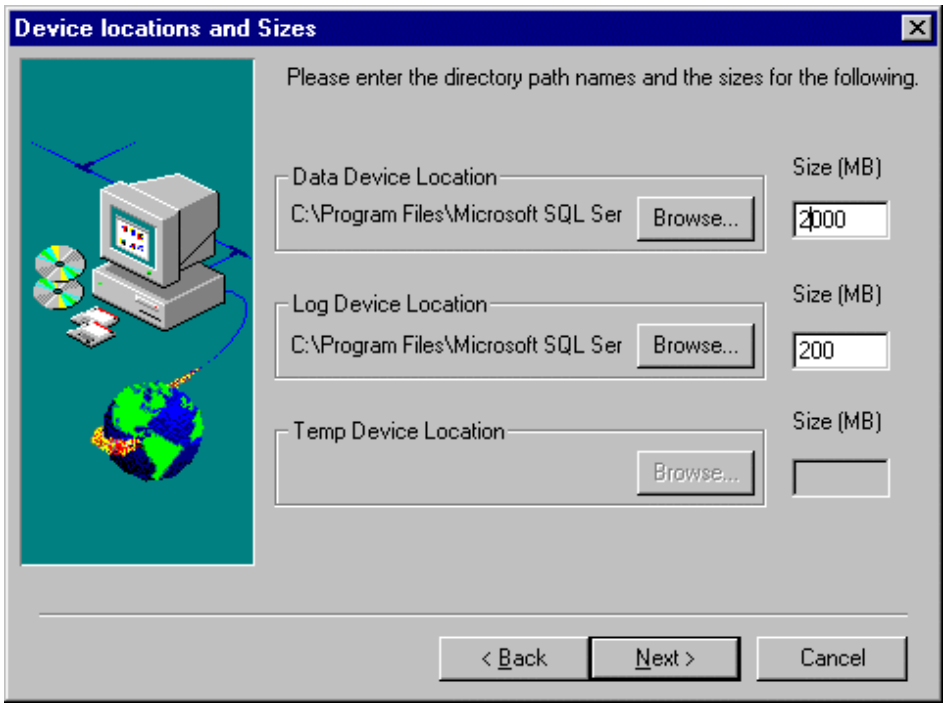
Level 2 driver

A Level 2 driver receives all queries from the Baan Virtual machine and sends these queries almost directly to the database. If applicable, the driver adds a hint to the query for optimal execution by the database engine.

If you want to use the Baan ERP installation to create a new database, proceed with Step 19.

If the database is already created, a message appears that asks whether you want to use the existing database. Click **Yes**, and then proceed to “Installation completion,” later in this chapter.

19 After a few moments, the **Device Location and Sizes** dialog box appears. If you want to change the directory paths for a file, click **Browse** and select an alternative path. Note that the recommended minimum values for the data and log files are 2000 MB and 200 MB respectively. The absolute minimums are 800 MB and 100 MB, respectively.



CAUTION! Do not enter negative numbers in the Size fields.

Note

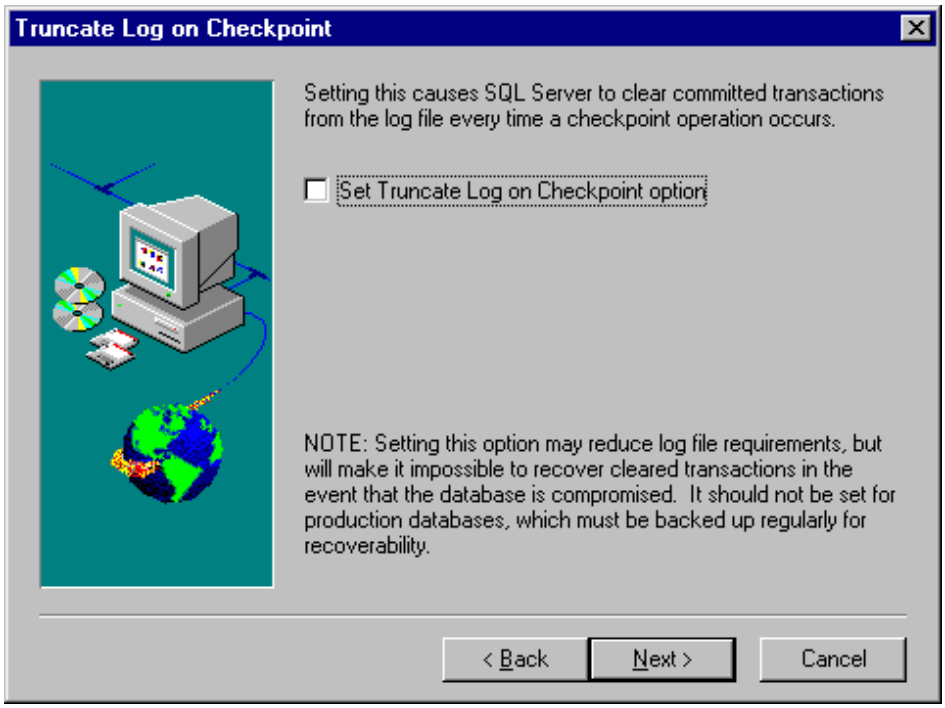
Temp Device Location is not configurable for Microsoft SQL Server 2000.

Note

For performance reasons, make sure to configure the data and log files on separate drives.

20 Click **Next** after you complete your entries.

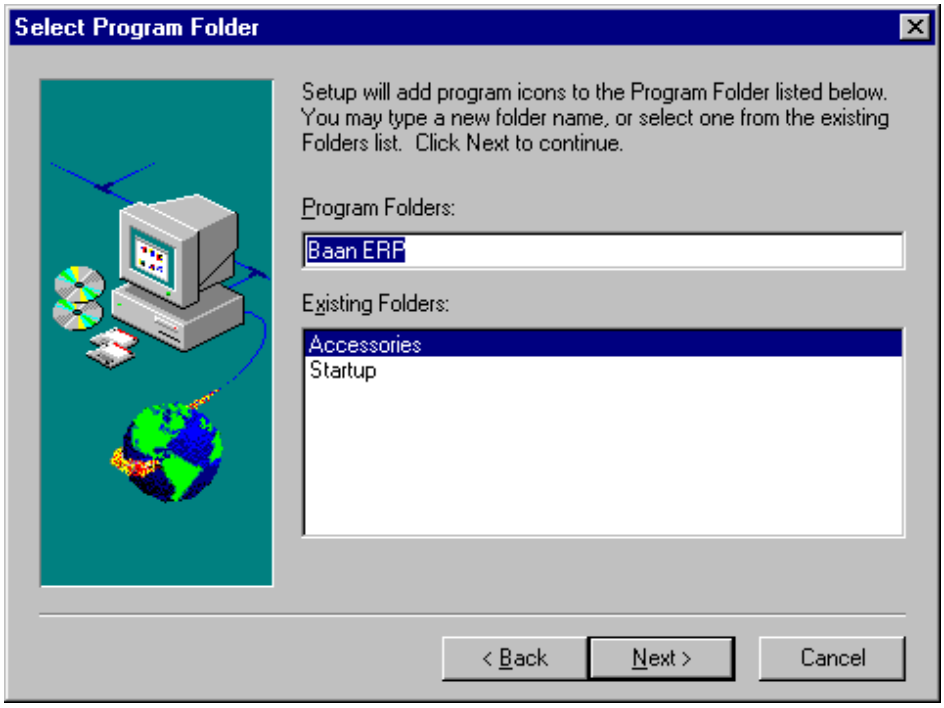
The **Truncate Log on Checkpoint** dialog box appears. The default for the **Set Truncate Log on Checkpoint** option ensures that production database recoverability is maintained. You must only select this option in situations where regular backups are not required and where the transaction log file must be cleared on a regular basis, such as a demo or training system.



21 Select or clear the check box and click **Next**. Proceed to the following section, “Installation completion.”

Installation completion

1 After you finish specifying the settings in the **Truncate Log on Checkpoint** dialog box, or if you chose to use an existing database in the **Baan Group Name and Password and the SQL Server 'sa' Password** dialog box, the **Select Program Folder** dialog box appears:



2 Type the program folder name for Baan ERP 5.0c, which by default is **Baan ERP**, and click **Next**. The **Setup Information** dialog box appears.

The **Setup Information** dialog box shows the setup selections you made in the previous steps.

3 Review the setup selections. To change one or more of the previously selected settings, click **Back**

Note

If you choose to use an existing database during the Baan ERP 5.0c installation, some settings in this dialog box can be incorrect, which is normal.

4 Click **Next** when all the selections are correct to accept the selections and start the file copy process. If you chose to have the installer create the database, a message appears that informs you that the setup is creating the database. This process can take a few minutes. After the import is complete, a message appears that informs you that setup is complete.

Note

If the database import fails, you can manually import the database. For more information, refer to Appendix B.

5 Click **OK**. This completes the Baan ERP installation procedure.

6 Go to Chapter 3, “Post-installation procedures” to complete all remaining installation tasks.

Chapter 3
Post-installation procedures

3

After you install both the database and Baan ERP, you must perform several additional tasks. Some tasks are also left to the discretion of the administrator.

Recommended procedures

The recommended post-installation procedures are the following:

- Install the Baan Windows (BW) Client
- Apply the license for Baan ERP.
- Set up the demo tables
- Configure shared memory.

To install the Baan Windows (BW) Client

Insert the Baan Master Distribution CD-ROM in the client's CD-ROM drive. For more detailed information, refer to the *Baan Windows (BW)* Guide (U8398A US).

To apply the license for Baan ERP

This procedure assumes that the following data is already confirmed with Baan:

- Customer number
- License code
- Sequence number
- License start and end dates
- Number of light and heavy users
- Authorized database
- Other authorized commercial functions

Baan sends this confirmed information to the Baan customer as part of the Baan ERP ordering process. You cannot start the post-installation procedure without this data.

Note

You can find all the sessions in this section in the Software Installation folder in Baan ERP Tools.

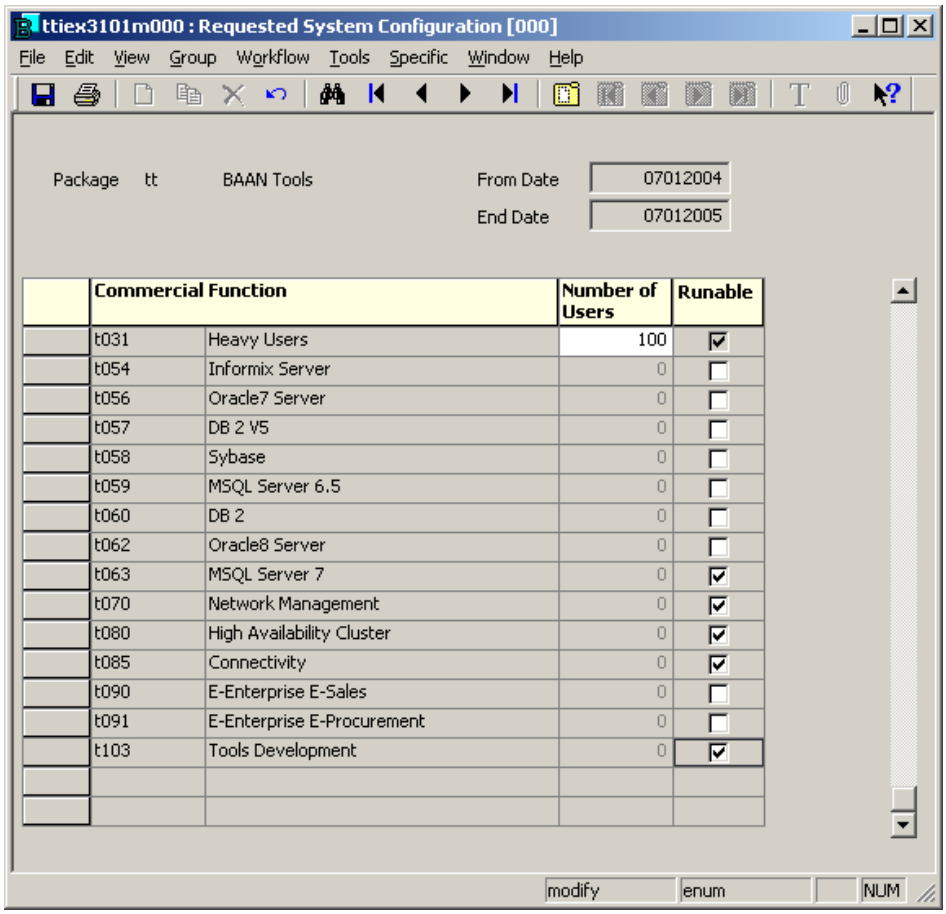
To request a validation key from Baan

To request a validation key from Baan, take the following steps:

1. Log on as user **baan**.
2. Start Baan ERP. On the Menu Browser, on the **File** menu, click **Run Program**.
3. Type **ttiex3101m000 i**n the **Program/Session** field and click **OK**. You are asked to supply a password.
4. Enter the default password **Yi984**. Do not make the default password available to unauthorized personnel. The Requested System Configuration (ttiex3101m000) session appears.
5. Click **New** on the **Group** menu.
6. Enter the start date in the **From Date** field and press TAB.
7. Enter the end date of your license in the **End Date** field. Use the date format selected for your system.

8 Press **TAB** again and enter the number of light and heavy users as confirmed with Baan.

9 Select the **Runable** check box that corresponds to the supported database, which is the RDBMS on which the Baan ERP installation is running. Select the **Runable** check box for any other licensed parts, as well:



Note

Select MSQL Server 7 if you have installed MSQL 2000.

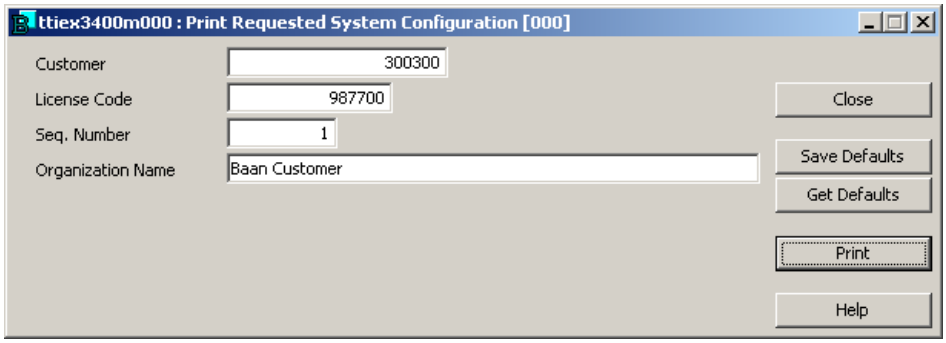
10 Save and exit the session.

11 On the Menu Browser, on the **File** menu, click **Run Program**.

12 Type **ttiex3400m000** in the **Program/Session** field and click **OK**. You are asked to supply a password.

13 Enter the default password **Yi984**. Do not make this default password available to unauthorized personnel.

The Print Requested System Configuration (ttiex3400m000) session appears:



14 Supply the requested information and click **Continue**. The Select Device session starts.

15 Select a printer and click **Continue**. If your Baan printer configuration is not yet set up, print to a file that can be printed by another device.

16 Send this printout to Baan, who will then send you the validation key. After you receive the key, you can proceed to the following section, “To complete system validation,” to complete the validation process.

To complete system validation

When you receive the validation key from Baan, take the following steps:

1 Log on as user **baan**.

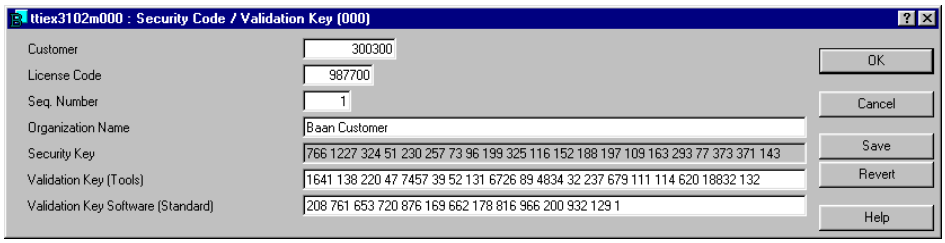
2 Start Baan ERP.

3 On the Menu Browser, on the **File** menu, click **Run Program**.

4 Type **ttiex3102m000** in the **Program/Session** field and click **OK**. A message appears that asks you to supply a password.

5 Enter the default password **Yi984**. Do not make this default password available to unauthorized individuals. The Security Code/Validation Key (ttiex3102m000) session appears.

6 Fill in the **Validation Key (Tools)** field and the **Validation Key Software (Standard)** field. Make sure the security key matches the security key on the Baan printout.



7 Save and exit the session.

8 Start the Validate Tools Set (ttiex3220m000) session.

9 Click **Continue**. If the validation process succeeds, the following message appears:

10 Click **OK**. Read the warning message that appears.

11 Click **Close**. Start the Configure Application (ttiex3225m000) session.

12 Click **Continue**. A prompt indicates that the license daemon is not active.

13 Click **OK**. You are asked if you want to start the license daemon.

14 Click **Yes**.

15 Click **Continue** to patch the objects.

If the session is successfully completed you can close the session.

Note

If an error message appears when you start the license daemon, repeat Steps 11 through 14 until the validation is successfully completed.

This completes the validation process.

To set up the demo tables

This section describes the procedure to do the following:

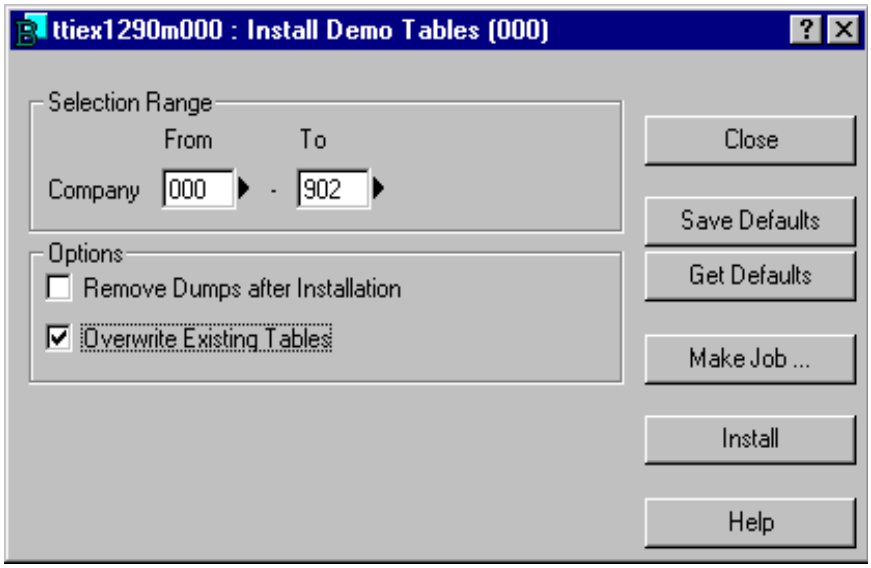
- Install demo tables
- Initialize parameters

To install demo tables

You can install all tables from demo companies that are provided with the Baan ERP installation. The installer must decide which companies to install. However you must perform Steps 1 through 6 for company 000. Company 000 is not a demo company, however, this company contains important data for the Baan ERP environment.

To install the demo tables, take the following steps:

1. On the Menu Browser, on the **File** menu, click **Run Program**.
2. Type **ttiex1290m000** in the **Program/Session** field.
3. Click **OK**. The Install Demo Tables (ttiex1290m000) session appears.
4. Click the browse arrow for the **From** and **To** fields to select the range of demo companies you want to use:



5. Select the Overwrite Existing Tables check box.

6 Click **Install**. The demo tables are installed. During the installation the cursor changes into an hourglass. When the cursor changes back to its original appearance, the installation is complete.

7 Click **Close**. To install the remaining empty tables, you can continue with the section “To create the remaining tables”

To initialize parameters

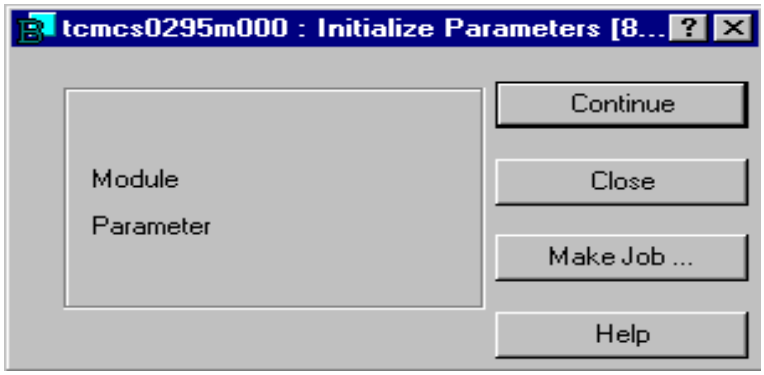
To initialize the parameters, take the following steps:

1 Log on as user **baan** and switch to one of the demo companies you installed.

2 To switch to another company, on the **Options** menu, click **Change Company**.

3 Click **Run Program** on the **File** menu and type **tcmcs0295m000**.

4 Click **OK**. The Initialize Parameters (tcmcs0295m000) session appears:



5 Click **Continue**.

6 Repeat Step 1 and Step 3 for the rest of the installed demo companies.

To configure shared memory

To improve application performance, you can store frequently used data objects in shared memory where all running Baan ERP processes can access them. The process to configure shared memory has two steps, to specify which objects must be stored in shared memory, and to configure the Baan Shared Memory service.

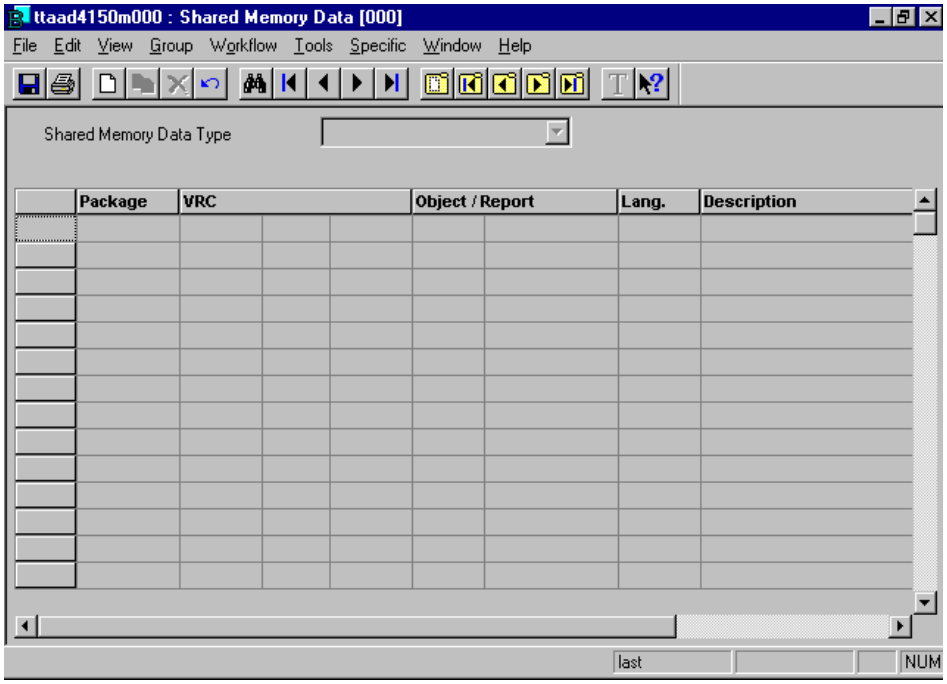
To specify objects stored in shared memory

To specify which objects are stored in shared memory, take the following steps:

1 Start Baan ERP: on the Menu Browser, on the **File** menu, click **Run Program**.

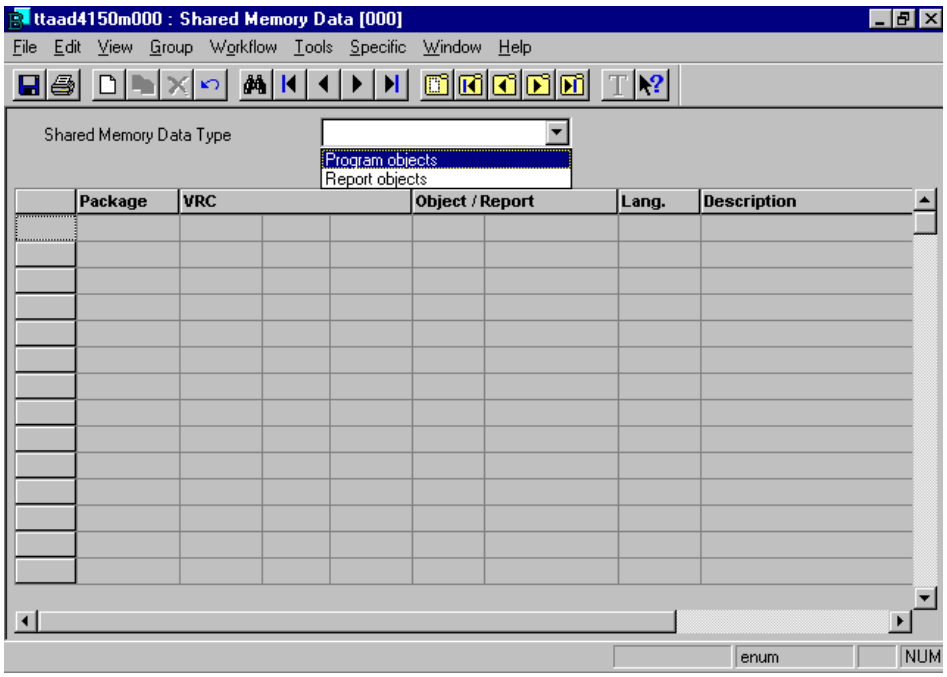
2 Type ttaad4150m000 in the Program/Session field.

3 Click **OK**. The Shared Memory Data (ttaad4150m000) session appears:



4 On the **Group** menu, click **Find**.

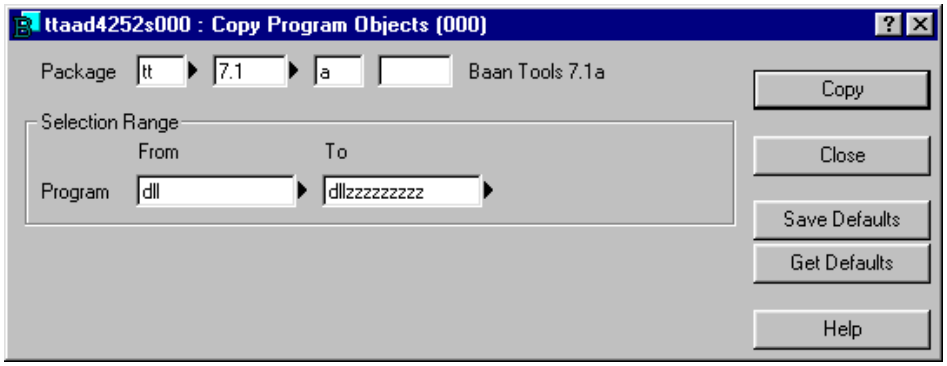
In the **Shared Memory Data Type** list, click **Program Objects**:



5 Click **Copy Object from DD** on the **Specific** menu. The Copy Program Objects (ttaad4252s000) session starts.

6 Enter **tt** in the **Package** field and select the version with the **Version** field's **Zoom** icon.

7 In the **Program** fields, enter **dll** in the **From** field and **dllzzzzzzzzz** in the **To** field and click **Copy**:



8 Click **OK** in the dialog box that appears. The Shared Memory Data (ttaad4150m000) session appears again, now filled with data.

9 Repeat Steps 4 through 6 for the programs **dsk** to **dskzzzzzzzzz** and **stp** to **stpzzzzzzzzz**.

10 Click **Convert to Runtime** on the **Specific** menu.

11 Click **OK** at the prompt when the conversion is complete and close the session.

12 Open the Baan MMC NT Manager.

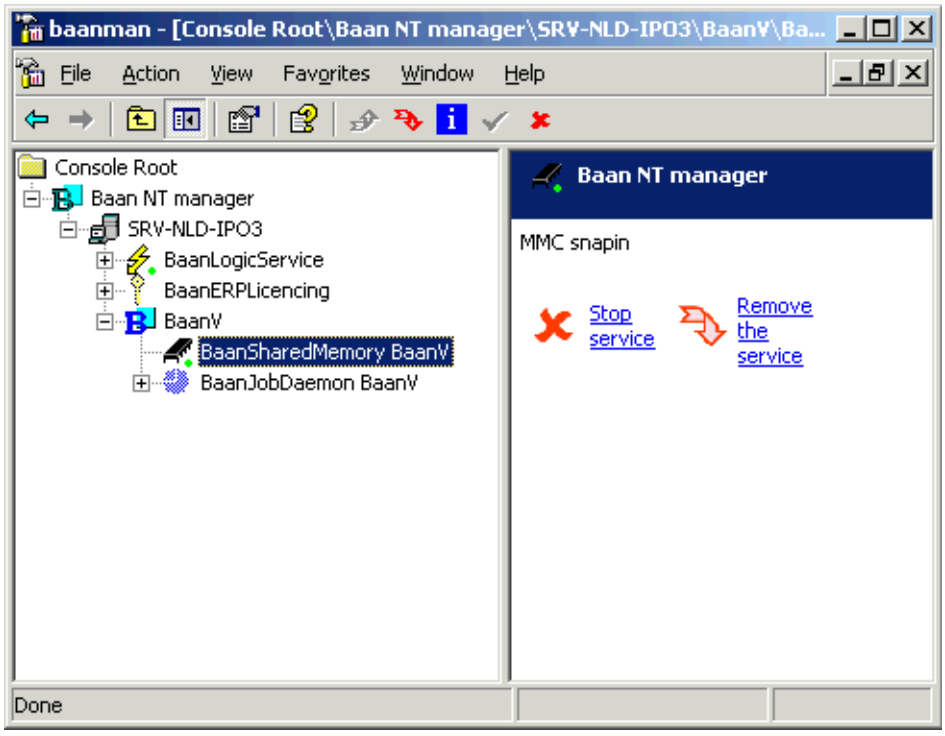
13 Right-click **Shared Memory Service,** and on the shortcut menu that appears, click **Stop service**. Next, right-click again and click **Start service** on the shortcut menu.

To configure the Baan Shared Memory service

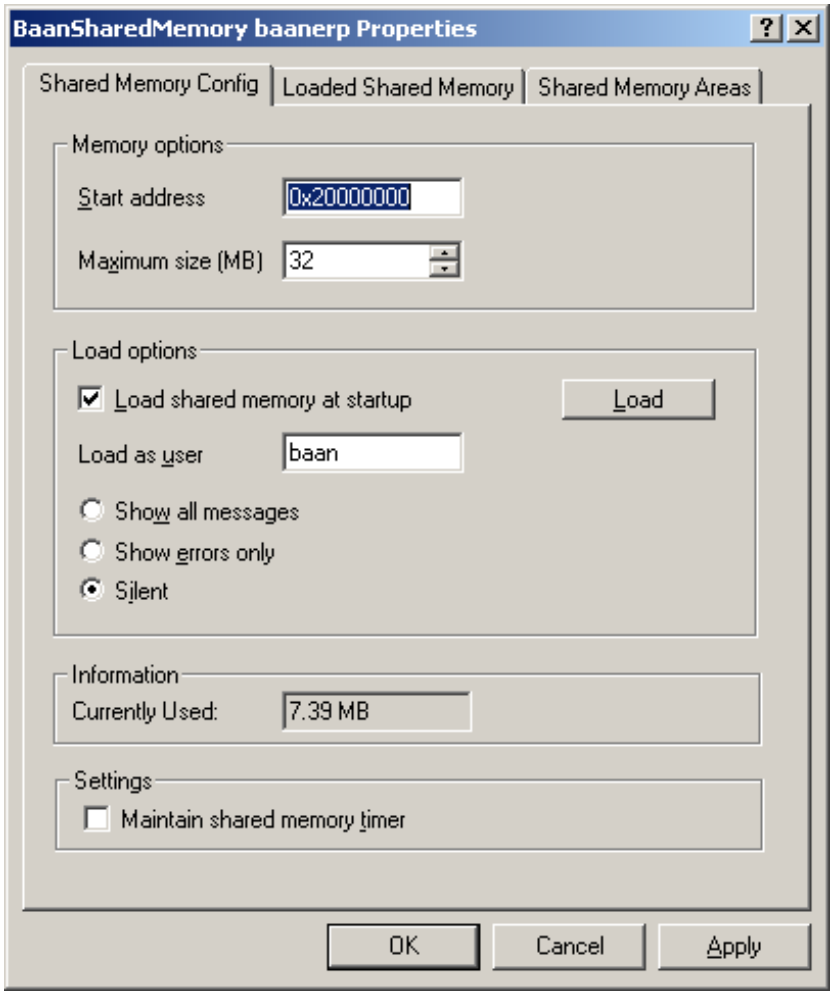
To configure the Baan Shared Memory service, take the following steps:

1 Click **Start**, point to **Programs**, click **Baan ERP**, and click **Baan MMC NT Manager**. The **Baan MMC NT Manager** dialog box appears

2 Select your **Server** icon and open the **Environment** icon. To configure the shared memory, right-click **BaanSharedMemory** and click Properties**.**



The **Shared Memory Configuration** dialog box appears:



3 Review the settings listed, and if the settings are appropriate, click **Close** and skip the remaining steps in this section.

Otherwise, review and update any of the following options:

- **Start address**:
  Can be either **0x20000000** or **0x7FFEFFFF**.
- **Maximum Size (MB)**:
  This setting defines the maximum amount of shared memory, from 1 MB to 2015 MB, allocated for Baan ERP applications. Note that if the Baan ERP applications need less than the amount defined in this field, the rest of the reserved shared memory is released as unshared memory.

- **Load Shared Memory at Startup**:
  Select this check box to load shared memory at system startup.
- **Load as User**:
  Accept the default user **baan**. This defines the user account that is used to load shared memory.
- **Diagnostic options**:
  Select **Show all Messages, Show Errors Only**, or **Silent**. You can view the messages with the Baan ERP Shared Memory Manager.
- **Maintain shared memory timer**
  The shared memory server updates the shared memory timer if you select this option.

4. Click **OK** after you reconfigure shared memory to accept the changes, then click **Close** on the Shared Memory Manager screen. You return to the **BAAN MMC NT Manager** menu.
5. Right-click **BaanSharedMemory,** and on the shortcut menu that appears, click **Stop service** to stop the Shared Memory Service.
6. Right-click **Shared Memory Service,** and on the shortcut menu, click **Start Service** to start the shared memory service.

Optional procedures

Several post-installation procedures are available that can be performed at the discretion of the administrator, including the following:

- Create the remaining tables.
- Configure the protocol in the Baan Logic Service.
- Install the Implementation Master Data (IMD) model.
- Uninstall the Baan ERP software.

To create the remaining tables

This section describes how to do the following:

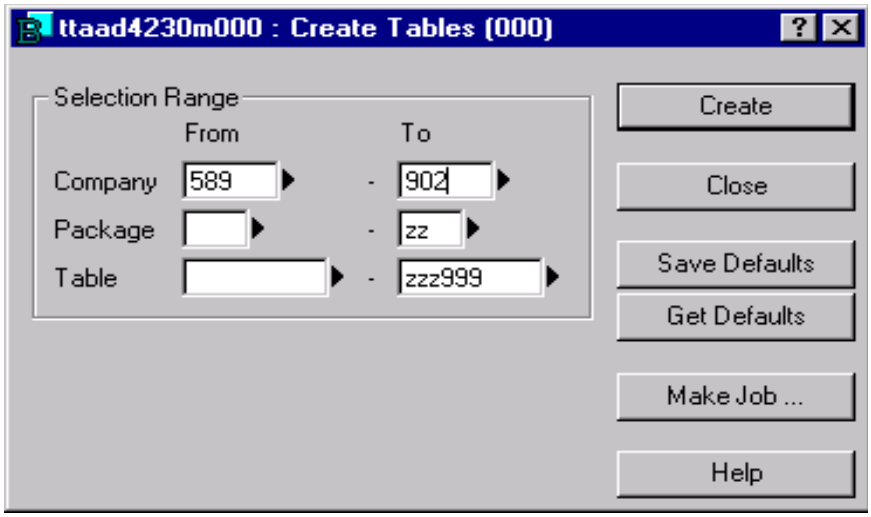
- Create the remaining tables.
- Reorganize tables.

To create the remaining tables

The demo table installation only creates tables that contain data. You must now create tables that are not yet created.

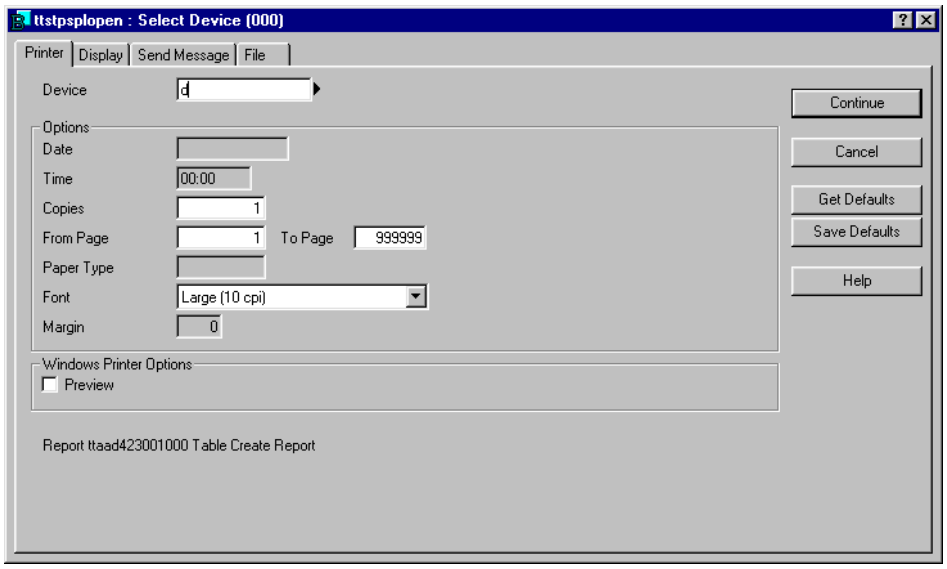
To create these tables, take the following steps:

1. On the Menu Browser, click **Run Program** on the **File** menu.
2. Type **ttaad4230m000** in the **Program/Session** field.
3. Click **OK**. The Create Tables (ttaad4230m000) session appears:



4. Type the company number in the **From** and **To** fields. To select the company numbers, you can click the browse arrows, however, you must only select those demo companies that you previously installed.
5. Click **Create.** The **Select Device** dialog box appears.

6 Click the **Device** field's browse arrow to display and select the device where you want the messages to appear. For example, the value **D** has messages printed to the screen.



7 Click **Continue**.

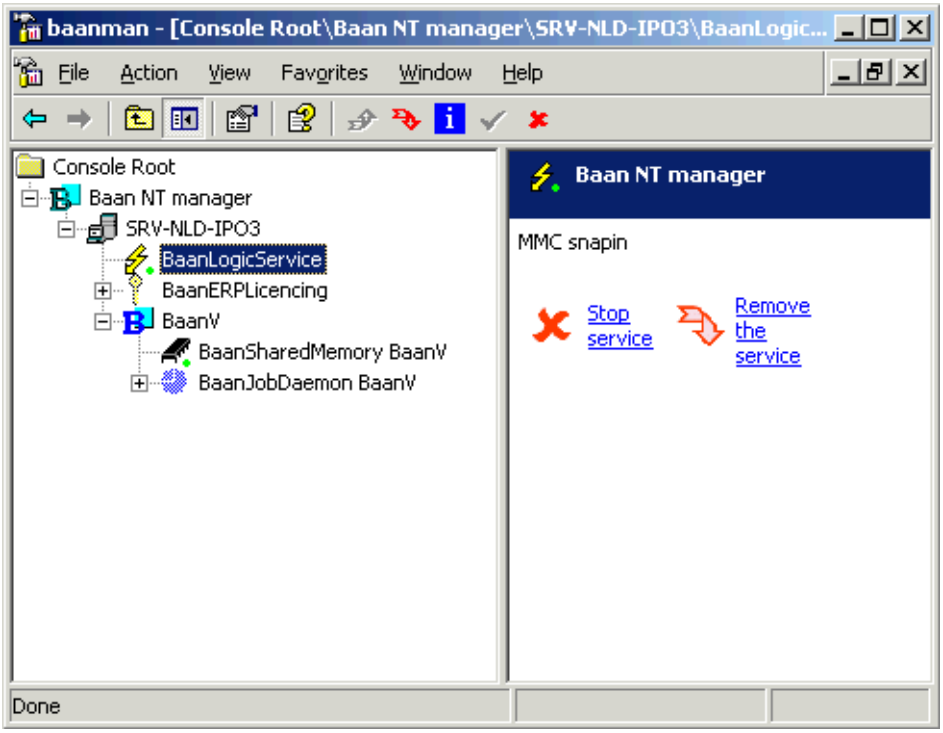
8 Click **Close** when the tables are created.

To configure the protocol in the Baan Logic Service

The Baan Logic Service is automatically installed and started after the Baan ERP 5.0c installation. If you want to configure the protocol in the Baan Logic Service, take the following steps:

1 Start the Baan MMC NT Manager and open your Server icon.

2 Right-click the **BaanLogicService** icon:



3 Click **Stop Service** on the shortcut menu.

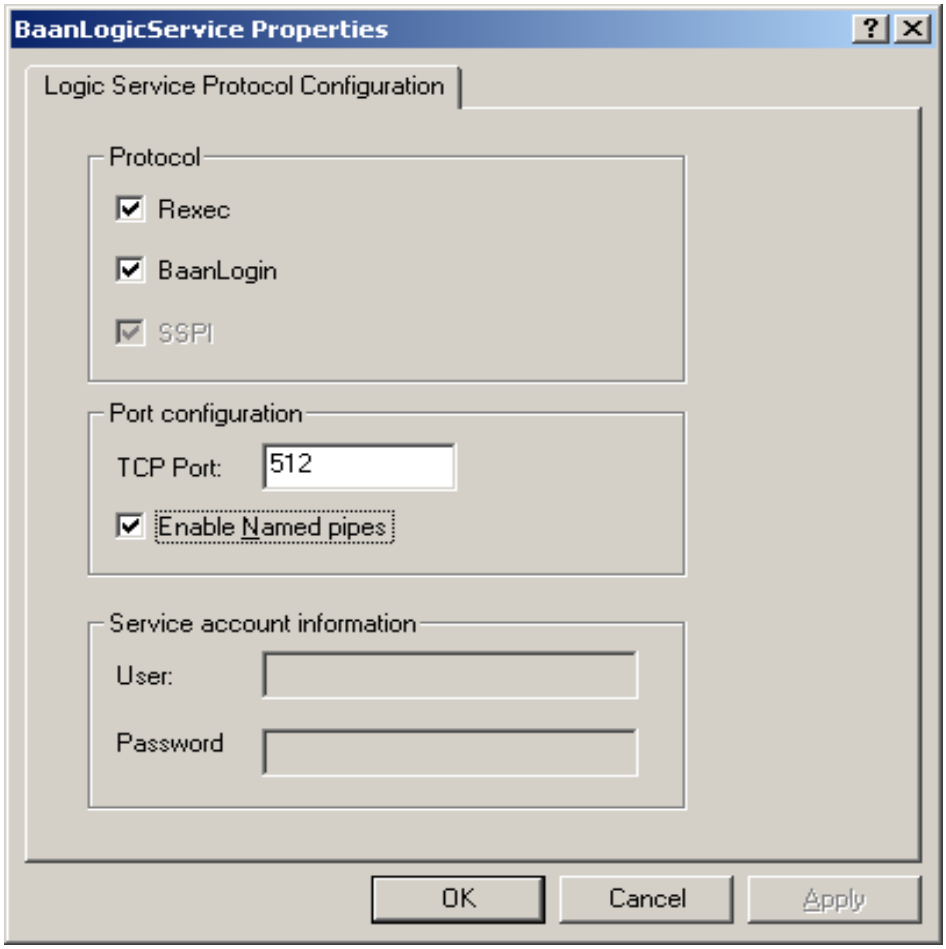
You must stop the Baan Logic Service before you configure the protocol. The system displays a message that the logic service is stopped.

The Baan Logic Service offers you the following methods to connect to the Baan server:

- Rexec: The standard remote execution protocol. Rexec does not use password encryption.
- Baan login: Encrypts the users' Baan passwords.
- Security Support Provider Interface (SSPI): Only available on Windows. SSPI. Enables single-sign-on (SSO) for Baan ERP 5.0c.

If you work in a local area network, Baan ERP assumes you use Rexec. See the following example.

4 Right-click the **BaanLogicService** icon, and on the shortcut menu, click **Propertiestocol**. If you click **Rexec,** you can enable the **Named Pipe** protocol:



5 Click **OK**.

6 Right-click the **BaanLogicService** icon and, on the shortcut menu, click **Start service**.

This starts the Baan Logic Service.

To install the Implementation Master Data (IMD) model

The implementation master data model is a project model that guides you through the setup of the master data of the various Baan ERP 5.0c packages. Before you start with this procedure you must install the demo tables.

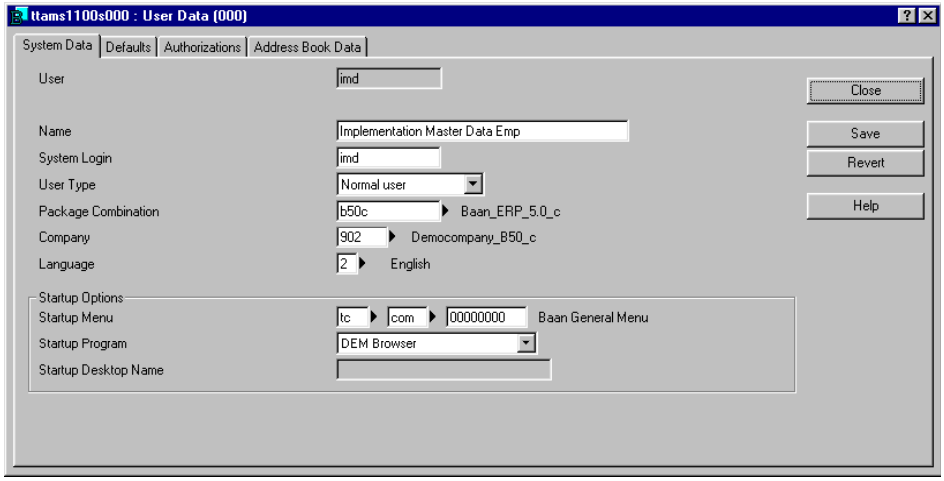
Note

The user who carries out the DEM version import must have a default text groups template selected in the User Data (ttaad2500m000) session.

1. Create a new system account **`imd`**.
2. Log on to Baan. If the operating system of your Baan ERP 5.0c server is UNIX, you must log on as user **bsp**, on Windows 2000 you must log on as user **baan**.
3. Click **Run Program** on the **File** menu and, in the **Program/Session** field, type **ttaad2500m000**. The User Data (ttadv2500m000) session starts. If the operating system of your Baan ERP server is Windows 2000, you must select user **`bsp`** and copy this user to user **`imd`**.

   On both UNIX and NT you must select user **`imd`** and double-click this record to define the following user data:

   - **System Login**: **`imd`**
   - **Company**: **`902`**
     The demo company that contains the IMD model data
   - **Startup Program**: **`DEM Browser`**



In addition, you can adjust this user's authorizations

4. Return to the User Data (ttaad2500m000) session, select user **imd**, and on the **Specific** menu, click **Convert BAAN User to Database User**.
5. Reselect user **imd** and, on the **Specific** menu, click **Convert BAAN User to Runtime DD**. Click **Convert**.
6. On the Menu Browser, on the **File** menu, click **Run Program**.
7. Type **tgbrg1245m000** in the **Program/Session** field.
8. Click **OK**. The Import Version Dump (tgbrg1245m000) session appears. Enter the import file in the following location:
   - **Windows**:
     `C:\<$BSE>\test\IMD_B50c.dem.Z`
9. Select **Overwrite**, **Check Data Integrity**, and **Print Errors**.
10. Click **Import**.
11. Select a device to print the error report.
12. Click **Yes** in response to the question "Import Components from Version **IMD_B50c**?" The version dump is imported and errors are printed in the report.
13. Click **No** in response to the question of whether you want to "Change the Current Modeling Version to IMD_B50c?"
14. On the Menu Browser, on the **File** menu, click **Run Program**.
15. Type **tgbrg1110m000** in the **Program/Session** field and click **OK**. The Current Modeling Version by User (tgbrg1110m000) session starts.
16. Click **Find** and enter **imd**.
17. Set the current modeling version to **IMD_B50c**.
18. On the Menu Browser, on the **File** menu, click **Run Program**.
19. Type tgbrg5157m000 in the Program/Session field.
20. Click **OK**. The Components (tgbrg5157m000) session appears.
21. Check whether the **BaanERP** component, component release **B50c** is already installed. If the component is not installed, create the component with the following steps:
    - Click **New** to create a new component.
    - Enter the component **BaanERP**.

- Enter the component release **B50_c**.
- Enter the description **BaanERP 5.0c**.
- Skip the **Component** icon and enter the component type **BaanERP 5.0c**.
- Enter client/server **Server**.
- Click **Save.**

22 On the Menu Browser, on the **File** menu, click **Run Program**.

23 Type **tgbrg0135s000** in the **Program/Session** field.

24 Click **OK**.

25 Enter the password **BAAN (use capitals)**. The DEM Parameters (tgbrg0135s000) session appears.

26 Change the component to **BaanERP**.

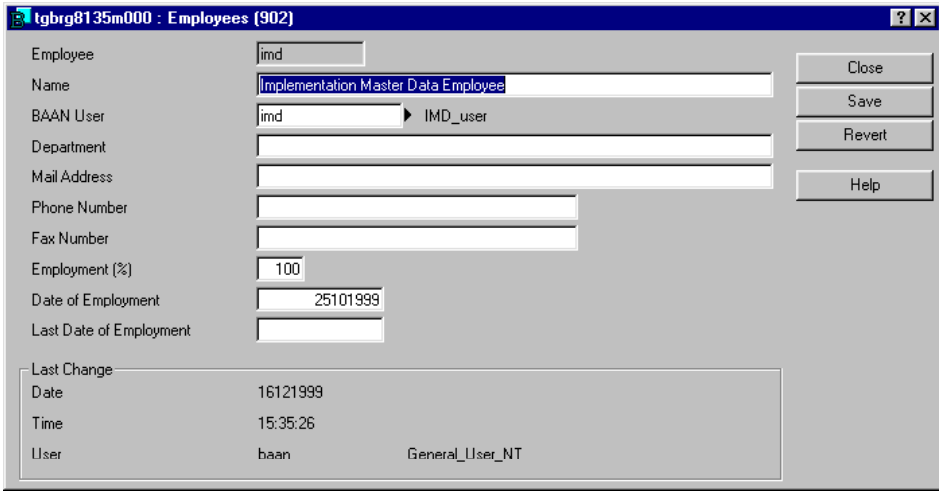
27 Change the Component Release to **B50_c**.

28 Click **Save**.

29 On the Menu Browser, on the **File** menu, click **Run Program**.

30 Type **tgbrg8135m000** in the **Program/Session** field.

31 Click **OK**. The Employees (tgbrg8135m000) session appears:



32 Double-click the `imd` employee and make sure that **BAAN User** is `imd`:

If the component was not available in Step 21, take the following steps:

- Go back to the Components (tgbrg5157m000) session.

- Select the **BaanERP** component and select **Applications by Component**.
- The Applications by Component (tgbrg5155m000) appears.
- On the **Specific** menu, click **Import Applications from Running Baan Component**.
- The Import Applications from Running Baan Component (tgbrg5255m000) session appears.
- Click **Fill**
- Close all component sessions.

The IMD model is now installed. You can login as user imd. If the installation was successful, Baan starts with the IMD model in the Dynamic Menu Browser.

Service Pack installation

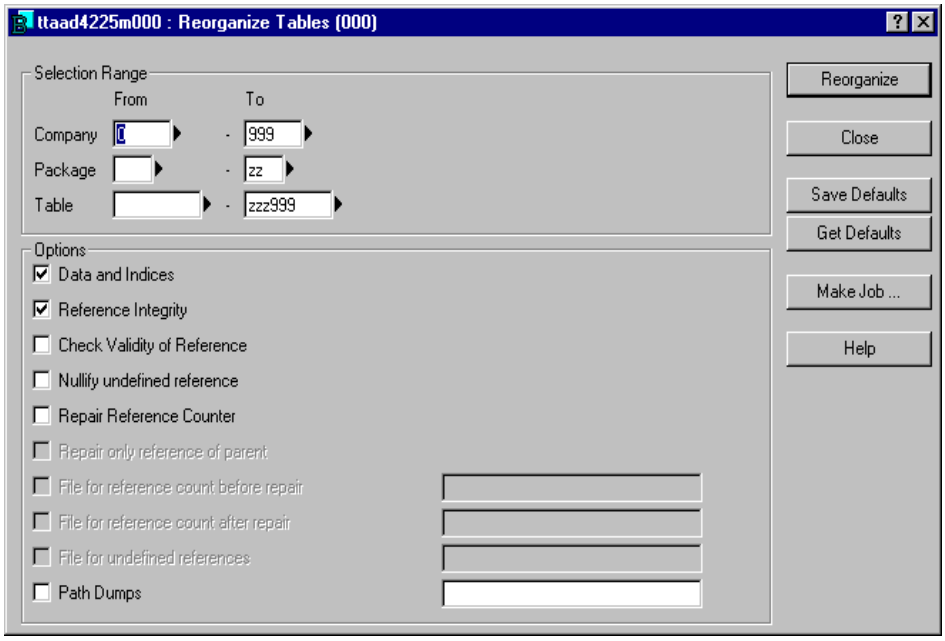
Install the Service Packs. You can use the Batch installer to install the Service Packs in one run. For more specific information about the Batch Installer, refer to the *Installation Guide for SSA® Baan ERP 5.0c SP3-13 Batch Install Solution* (U8325A US). For best results, after you finish with the Service Packs installation, run the Reorganize Tables (ttaad4225m000) session. You can encounter problems when you reorganize the tables before the installation of the Service Packs.

To reorganize tables

The bdbpost utility, which you can use to install the demo tables, can disable referential integrity checking. To correct this error, you must reorganize the demo tables. Take the following steps:

1. Click **Run Program** on the **File** menu and type the session code **ttaad4225m000**.
2. Click **OK**.

   The Reorganize Tables (ttaad4225m000) session appears.

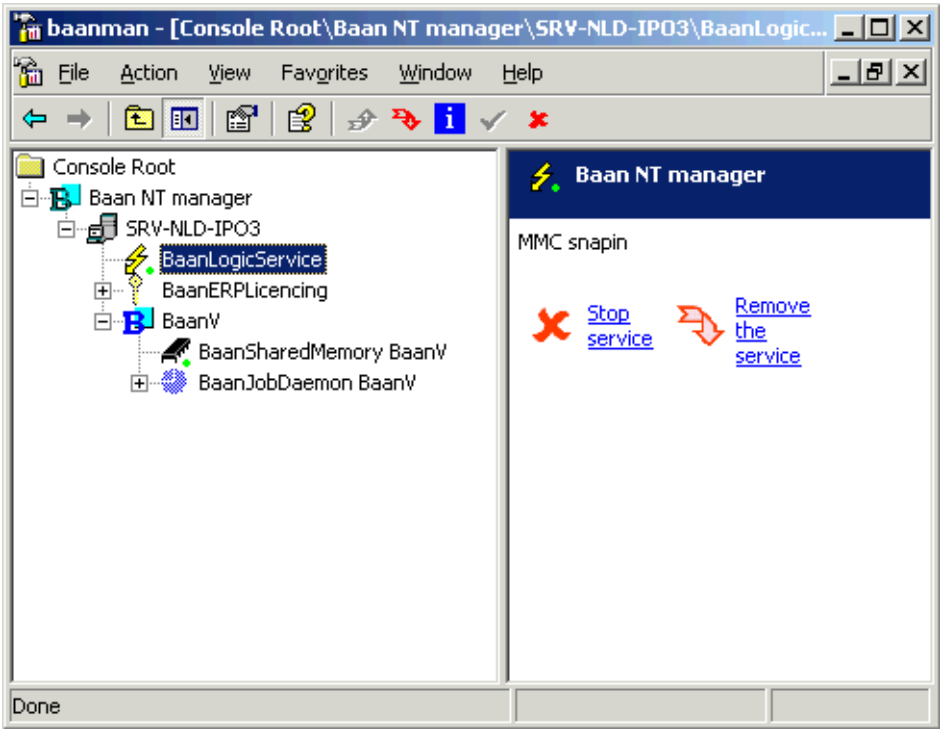


3. Update the **Company From** and **To** fields with the range of demo companies you originally installed. In addition, select the options you want to use:
4. Click **Reorganize**.
5. Click **Close** in the Reorganize Tables (ttaad4225m000) session.

To uninstall Baan ERP 5.0c software

If an installation failure occurs, take the following steps:

1 Start the Baan MMC NT Manager and open your **Server** icon:



2 To uninstall all existing Baan environments, right-click **BaanLogicService,** and on the shortcut menu that appears, click **Stop Service**.

3 To uninstall all existing Baan environments, right-click **BaanLogicService,** and on the shortcut menu that appears, click **Remove the Service**.

4 To uninstall all existing Baan environments, right-click **BaanLicensing,** and on the shortcut menu that appears, click **Stop Service**.

5 To uninstall all existing Baan environments, right-click **BaanLicensing,** and, on the shortcut menu, click **Remove the service**.

6 Right-click the **BaanSharedMemory** for the environments you want to uninstall and click **Stop service**.

7 Right-click the **BaanShared Memory** for the environments you want to uninstall and click **Remove the Service**.

8 Launch the uninstall program: Click **Start**, point to **Programs**, click **BaanERP**, and click **Uninstall Baan**. The Baan Uninstall screen appears.

9 Click **Next**. The **Select Environment** dialog box appears.

10 Select the environment to be removed.

11 Click **Next**. The **Uninstall Options** dialog box appears. You can choose to remove the Baan database for the environment you selected on the previous dialog box. You can be prompted for a password when you remove a database.

12 Click **Next**. The **Confirm Uninstall** dialog box appears.

13 Check the settings list.

14 Click **Next** to continue or click **Back** to change any options.

15 Respond to all the subsequent prompts, as necessary.

16 Click **OK** when the uninstallation is complete.

Appendix A
To create manually the database for Baan ERP

A

This appendix describes how to manually create the Microsoft SQL Server database files, logins and roles for Baan ERP.

Note

The Baan ERP installer enables you to create a new SQL Server database or specify the name of an existing SQL Server database to load the Baan ERP data. For best results, allow the Baan ERP installer to create the database for you. The Baan ERP installer enables you to create a database with one data file and one log file. If you have more sophisticated database configuration requirements, you can create the database manually, for example, with SQL Enterprise Manager, and use that database name during the Baan ERP installation. The procedure to manually create SQL Server a database for Baan ERP is described here.

If you choose to create the database manually, take the following steps:

1. Create the SQL Server database for Baan ERP.
2. Create the Baan ERP database users and group.

To create a database for Baan ERP

A SQL Server database consists of the following database files.

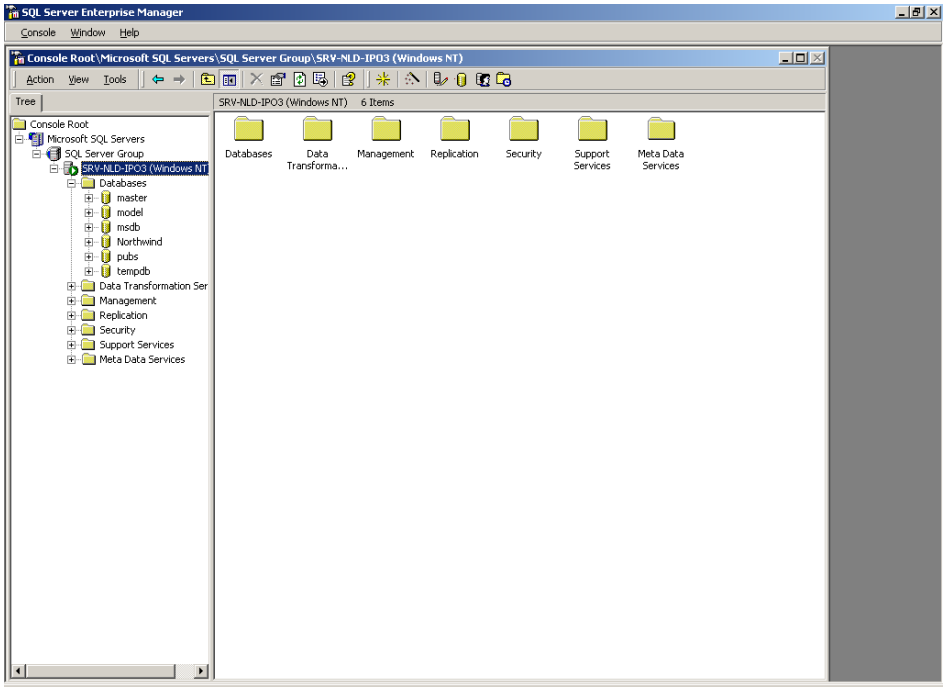
- One or more files for data:
  In the following example, the data file is called baandb_Data. SQL Enterprise Manager adds an .mdf extension to the file name. The size of this data file must be at least 800 MB. A data file of at least 2,000 MB is recommended to accommodate growth, or you can use SQL Server's AutoGrow feature. In this example, a data file of 2000 MB is created.
- One or more files for the transaction log:
  In the following example, the log file is called baandb_Log. SQL Enterprise Manager adds an .ldf extension to the file name. The size of this log file must be at least 100 MB (200 MB recommended). In this example, a log file of 200 MB is created.

This section describes how to use SQL Enterprise Manager to create a database called **baandb** for the Baan ERP data.

To create the database, take the following steps:

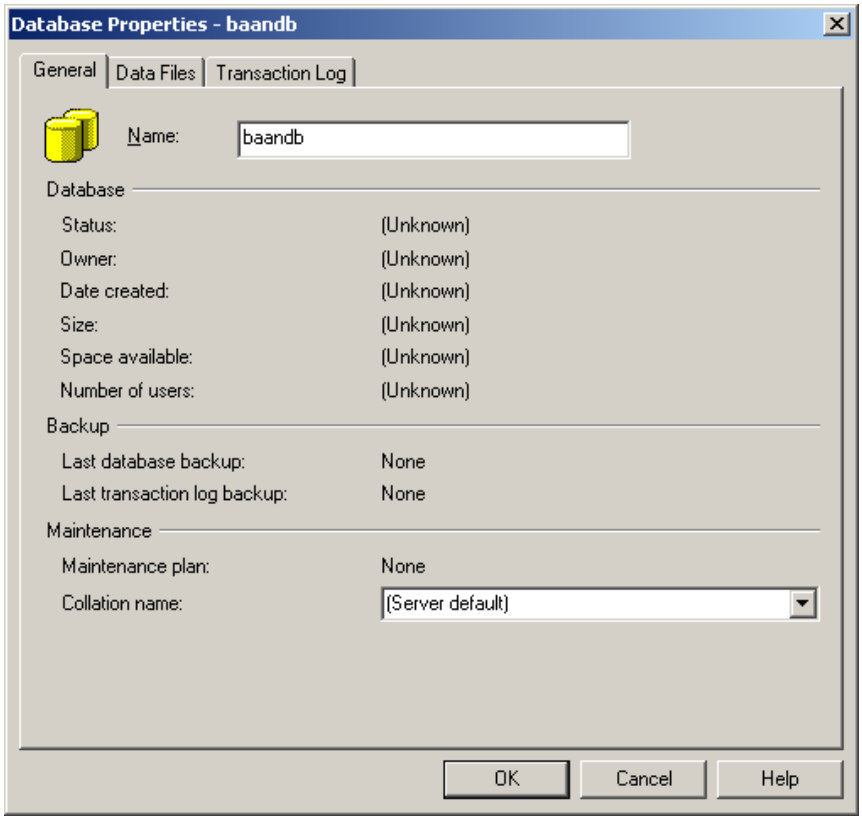
1 Click **Start**, point to **Programs** ➢ **Microsoft SQL Server 2000** ➢ **SQL Enterprise Manager**.

2 Right-click the **Server** icon, and on the shortcut menu, click **Start** to start the SQL Server, if required:

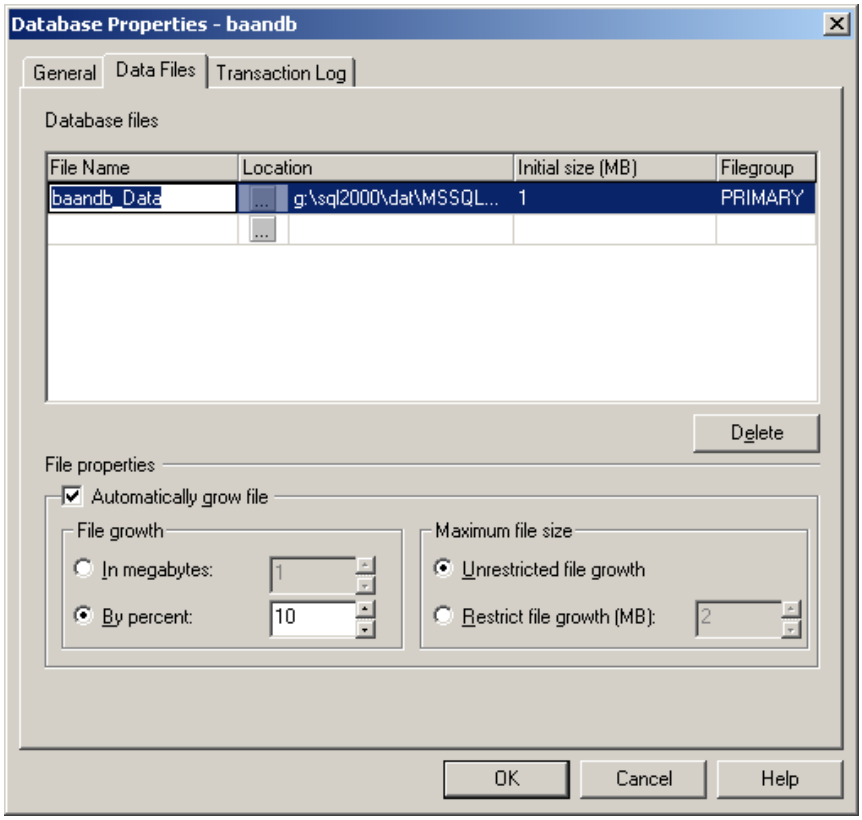


3 Right-click **Databases,** and on the shortcut menu, click **New Database**.

4 Enter a database name on the **General** tab.



5 Click the **Data Files** tab:



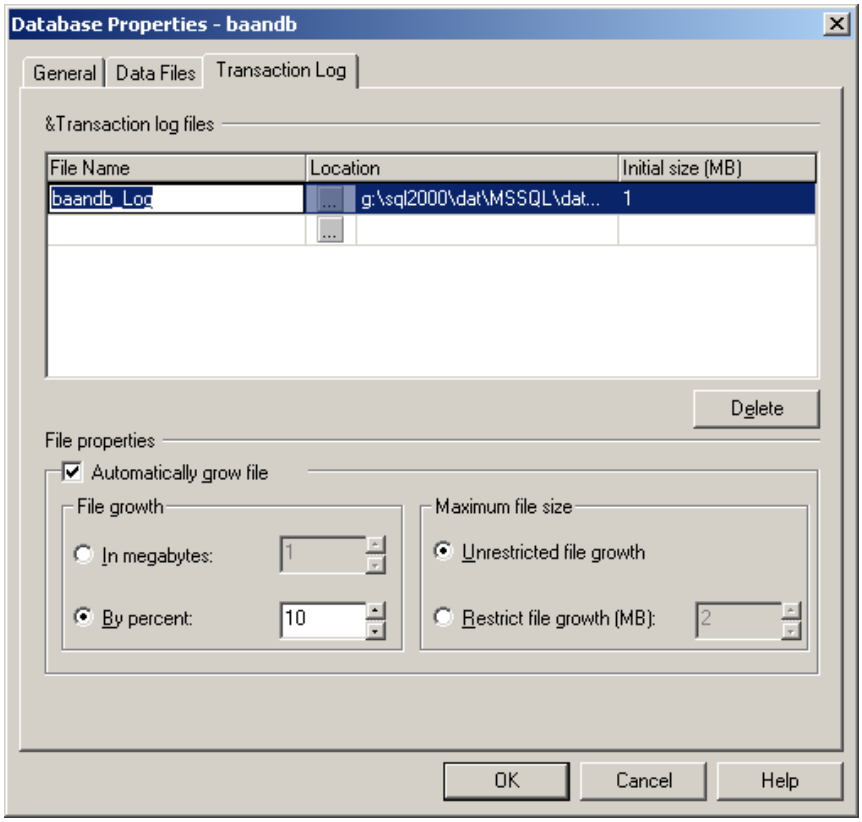
6 Enter an initial size and location for the data file. You can configure one or more data files for the database in this dialog box.

The combined size of the data files must be at least 800 MB.

7 Click the **Transaction Log** tab.

8 Enter an initial size and location for the transaction log file. You can configure one or more files for the transaction log in this dialog.

The combined size of the log files must be at least 100 MB.

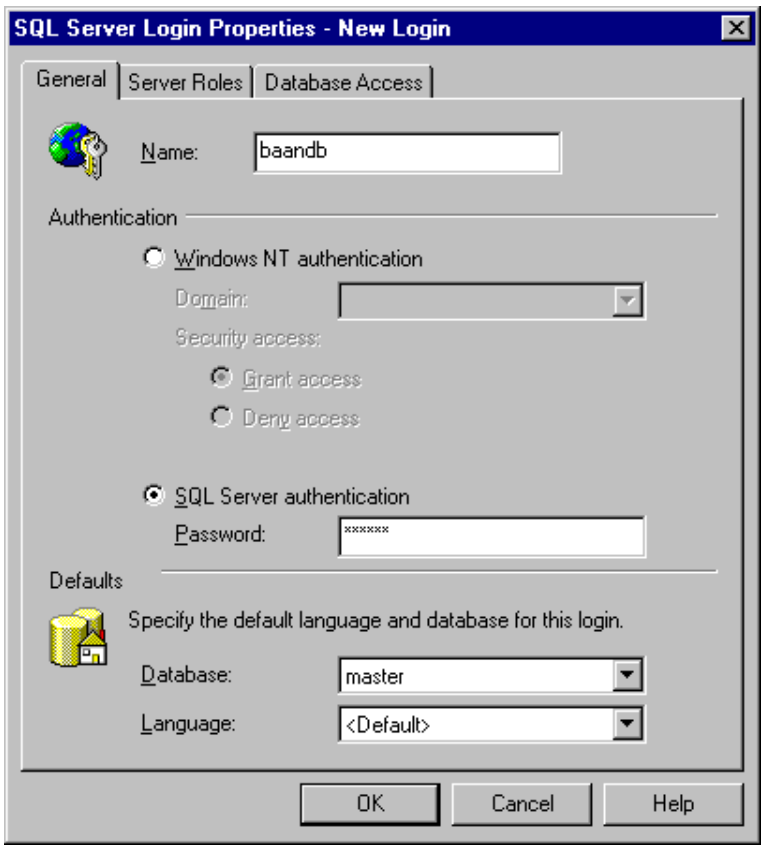


9 Click **OK**. SQL Enterprise Manager creates the new database. This procedure can take some time. The database creation process takes longer as the data and log file sizes increase.

To create the database owner login, **baan** user login and SQL Server role

To create the Baan ERP database users and role on the MS SQL Server, take the following steps:

1. If you are not yet running SQL Enterprise Manager, on the **Start** menu, point to **Programs**, click **Microsoft SQL Server 2000**, and click **SQL Enterprise Manager**.
2. Click the **New Login** icon on the toolbar.
3. Enter the database name as the name of the new user. The user name must be the same as the Baan ERP database name. In our example installation, this login name is **baandb**:

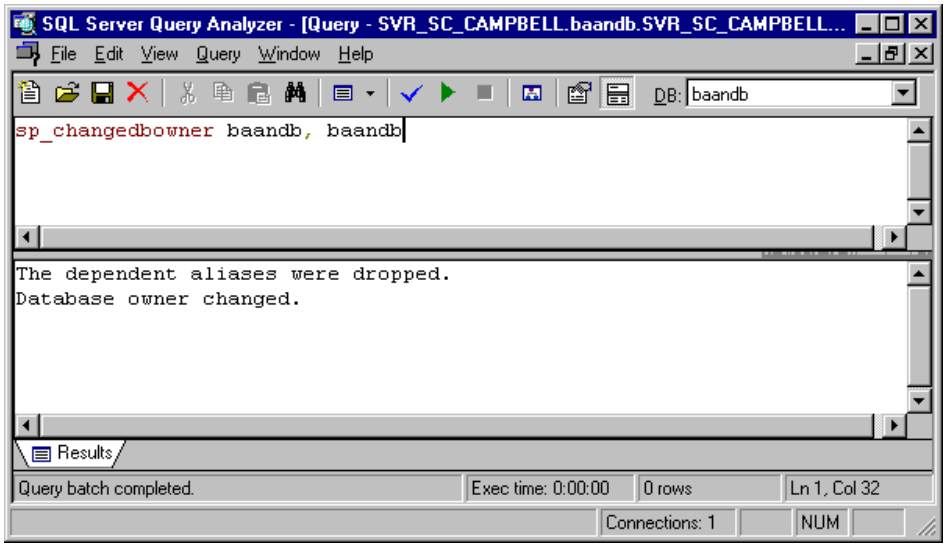


4. Click **SQL Server Authentication** and enter the user password.

5 Click **OK**. The system asks you to confirm the password:

6 Enter the password and click **OK**.

7 Choose **Tools** and **SQL Server Query Analyzer**.



8 Choose **baandb** from the **DB** list.

9 Type the following query to make **baandb** the owner (DBO) of the **baandb** database:

- sp_changedbowner baandb, baandb

10 Press **CTRL+E** or click **Execute** on the toolbar to carry out the query.

11 Click **New** on the toolbar or menu to create a new database role. Type the following query to add the groupSQL Server role for Baan ERP. In our example installation the new role is called **baandbg**.

Note

The SQL Server role name derives from adding the character **g** to the database name. In this example for database **baandb**, the role name is then **baandbg**.

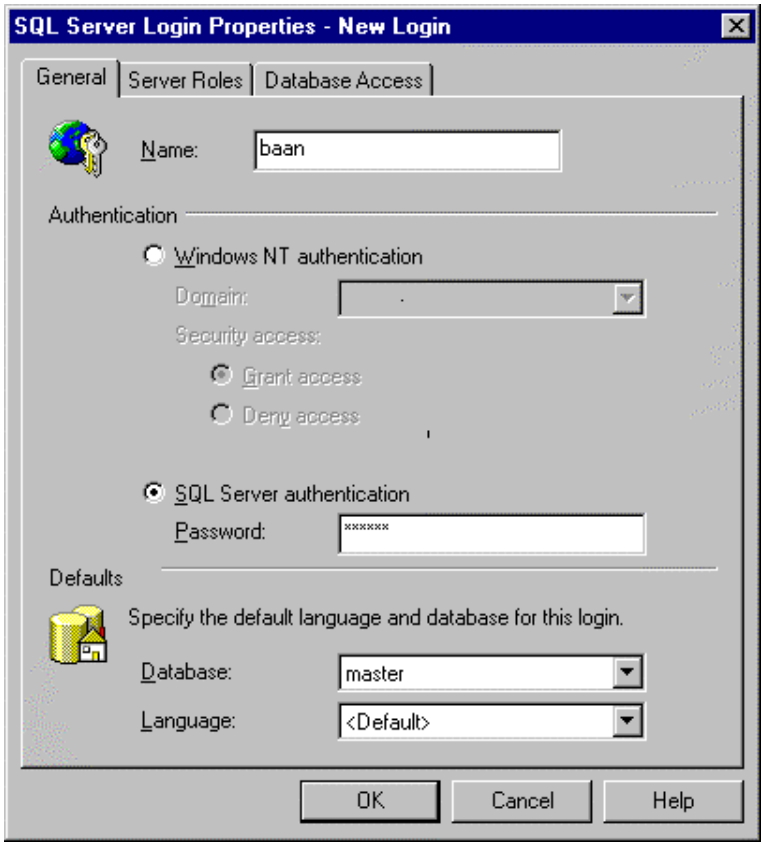
- sp_addrole baandbg

Press **CTRL+E** or click **Execute** on the toolbar to carry out the query.

12 Select **File** and **Exit** and click **No** to discard the text in the window.

13 Right-click the server, and on the shortcut menu, click **Refresh** in the main window of the Enterprise Manager.

14 Click the **New Login** icon on the toolbar to create a database user:



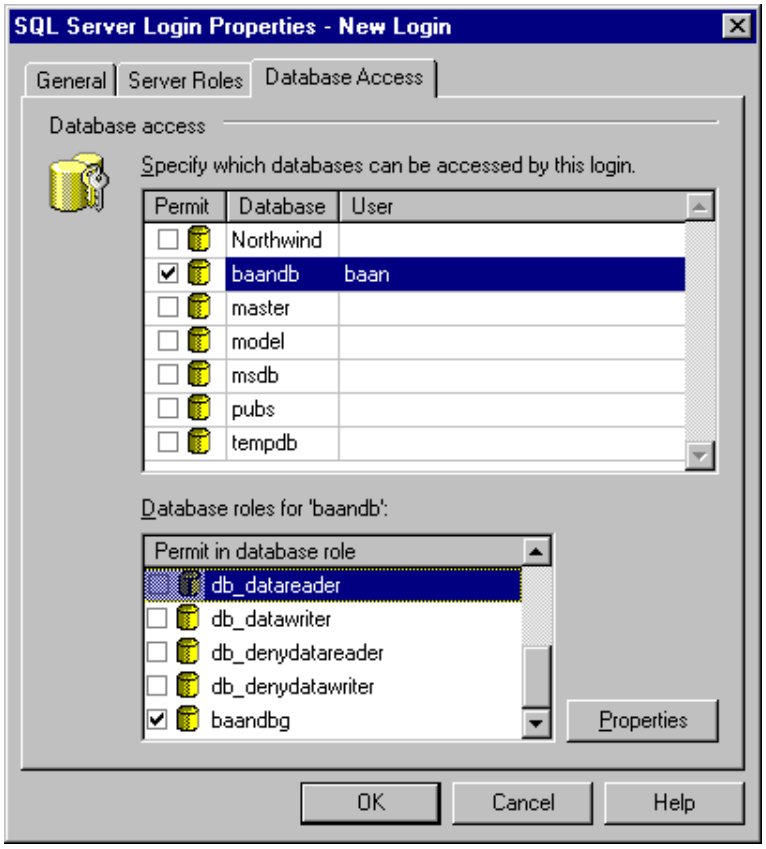
15 Enter the logon name for the new user. In this example, the name **baan** is used.

16 Select **SQL Server authentication** and enter the user password.

17 Click **OK**. The system asks you to confirm the password.

18 Type the password and click **OK**.

19 Click the **Database Access** tab:



20 Select the **Permit** check box that corresponds to the **baandb** database to assign the **baan** user permission on the database.

21 Select the check box that corresponds to **baandbg** in the **Database Roles** area to give the user permissions on the Baan ERP tables in the database.

22 Click **OK** to confirm.

23 Confirm the password.

24 Exit the SQL Enterprise Manager.

Appendix B
Unattended installation of Baan ERP

B

This appendix describes the prerequisites for an unattended installation and uninstallation of Baan ERP BackOffice. The first part of this appendix describes the unattended installations or uninstallations with Microsoft System Management Server (SMS). SMS is a system management environment for corporate networks, which consists of one or more LANs. SMS enables users to distribute software across one or more LANs, among other procedures. SMS itself is not discussed in this appendix. For a description of SMS, refer to the *Microsoft System Management Server Administrator's Guide*.

The remaining part of this appendix describes unattended installations or uninstallations of Baan ERP with InstallShield response files.

Prerequisites for an unattended installation

Before you can perform an unattended installation, your system must meet the following conditions:

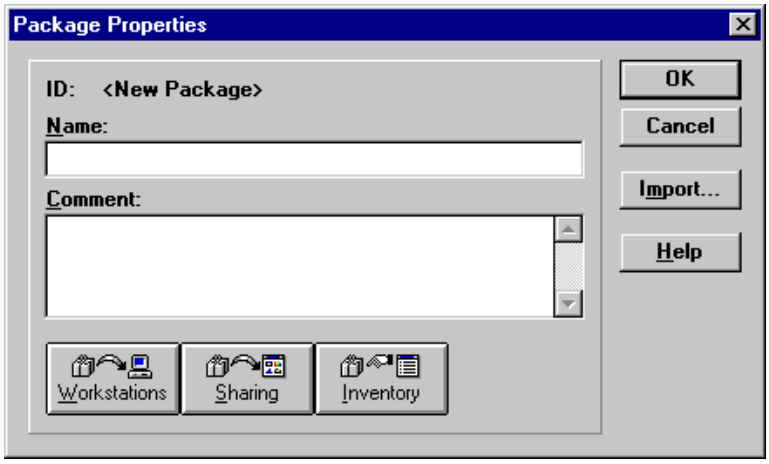
- During the installation of Microsoft SQL Server, the binary sort order must be selected. Refer to Chapter 1, " Microsoft SQL Server installation," for a description of how to select the sort order.
- For an unattended Baan ERP database server setup, the used database environment must be clean. Do not use an old database environment.

- The default drive used is the C: drive. This drive must contain sufficient disk space to hold the required Baan ERP installation.
- To perform an unattended install of the Baan ERP Back Office software, the user must be logged on as user **baan** on the workstation where the package is sent. This account must have administrator rights, as described in “To add the Windows user **baan**,” in Chapter 2, "Baan ERP 5.0c installation." If you are logged on as another account, the unattended installation is ended.

To import the Baan package definition file into SMS

SMS uses package definition files, with the extension .pdf, that specify setup programs, installation options, and execution command lines for applications. For Baan ERP Back Office the definition file Baan.pdf is used. To import the Baan package definition file into SMS, take the following steps:

1. Start the Microsoft SMS Administrator
2. Click the **Open Window: packages** toolbar button.
3. On the **File** menu, click **New**. The **Package Properties** dialog box appears:



4. Click **Import**.
5. Select the disk on which the Baan ERP installation CD-ROM is located and then select the SMS directory.
6. Select the Baan.pdf file and click **OK**.
7. Click **Workstations** in the **Package Properties** dialog box. The **Setup Package for Workstations** dialog box appears.

8 Set the source directory to the root of the Baan ERP installation CD-ROM, for example, d:\.

9 Click **Close**.

10 Click **OK** in the **Package Properties** dialog box.

The Baan ERP BackOffice unattended setup files

The following unattended installations or uninstallations of Baan ERP are supported in the standard Baan.pdf file:

- Full installation on SQL Server to the C: drive: file SQLServer.iss in the SMS directory on the Baan Installation CD-ROM.
- Uninstall full installation on SQL Server: UnSQLSrv.iss
- User interface installation to the C: drive: Bw.iss
- User interface and logic installation to the C: drive: Bshell.iss
- Uninstall user interface: Unbw.iss
- Uninstall user interface and logic: Unbshell.iss

To support installations other than these default installations, you can adjust the Baan.pdf file, create you own response files (as described in the following chapter), and reimport the Baan ERP package.

To create an InstallShield response file

The InstallShield Response files are used both by SMS to perform unattended installations and uninstallations by the Baan Installation program to perform an installation without any user interaction.

To create your own InstallShield response file, take the following steps:

1 Start the installation program

2 Enter the required input and complete the installation or uninstallation

An InstallShield response file is now written to the Windows temporary directory, with the name Setup.iss, for example, c:\temp\setup.iss. Give this file a meaningful name and save the file in another location, for example, c:\baaninstalls\BwInstall.iss.

To perform a silent Baan ERP installation or uninstallation

A silent Baan ERP installation or uninstallation is an installation for which no user interaction is required.

To perform a silent Baan ERP installation or uninstallation, take the following steps:

1. Start a command prompt:
   For a Baan ERP installation change directory to the Baan ERP installation CD-ROM and then go to the I386 directory, for Intel machines. For an uninstallation, change the working directory to c:\winnt\baan\uninst.
2. Start the set-up program as follows:
   - **setup.exe –s** [–funsetup.ins] **–f***response file*

   The –funsetup.iss option is only required if you want to perform an uninstallation. The response file parameter specifies where the response file is located. Note that no space exists between the –f option and the response file location.

   For example, to perform a silent installation with the c:\baaninstall\BwInstalls.iss response file, use the following command:
   setup.exe –s –fc:\baaninstalls\BwInstalls.iss