

Business Objects



6.5.1 Server Installation Guide

COMPUTER
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CORPORATION

Business Objects Server Installation Guide

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For Business Objects training, please contact Steve Gross at 1-480-444-7000, extension 7026 or visit the Computer Guidance Corporation web site at www.computer-guidance.com for a complete schedule of classes.



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Chapter 1

Getting Started

This guide was designed to provide complete installation instructions that enable you to fully utilize the Business Objects suite of products and the CMS Universes while maximizing the security features required in today's business environment. Read this entire guide before beginning the installation.

Important Before installing or upgrading Business Objects, you must obtain a License Key (in XML file format) from Computer Guidance Corporation. Please contact Business Objects Support either via email at: Support@computerguidance.com, or 1-800-952-2002, option 4.

Installation Checklist

- Read the installation guide before proceeding.
- Check system requirements.
- Install Supervisor on the supervisor's computer.
- Create a second Supervisor login profile.
- Create the BOMain Key.
- Create users for Business Objects.
- Install Business Objects on a client computer.
- Copy the BOMain Key to the client computer.
- Download all Universes from the CGC web site to the Universe folder (e.g., C:\Documents and Settings\<username>\Application Data\Business Objects\Business Objects 6.5.1\Universes).
- Export the Universes to the Repository.
- Read the Release Notes on the Computer Guidance Corporation Web site.

System Requirements

Hardware

- IBM®-compatible machine with a P4 processor with 1.6 GHz or higher
- At least 1 GB of RAM; 512 MB of RAM is recommended
- Hard drive with 10 GIG of disk space
- CD-ROM drive

Note If using distributed Business Objects, CGC recommends that the nodes communicate over a dedicated network to handle the extra network traffic. Verify that the Domain Name Service is properly configured.

Software

- Microsoft Windows 2000 Advanced Server or Server with Service Pack 4
- Microsoft Windows 2003 Enterprise Edition or Standard Edition Servers.

MiddleWare and Network Requirements

The appropriate RDBMS MiddleWare must be installed to enable the client PC to connect to the Business Objects repository and corporate databases. If using distributed WebIntelligence, CGC recommends that the nodes communicate over a dedicated network to handle the extra network traffic.

Operating Systems

Each machine using Business Objects must be properly configured as described below:

- Each machine must have the TCP/IP network protocol installed and working properly.
- Each machine must have the appropriate network protocol for the MiddleWare database installed and working properly. Database MiddleWares may use protocols such as TCP/IP, IPX/SPX or NetWare.
- The database MiddleWare must be installed and functioning properly.

Note Detailed information about installing TCP/IP, the database MiddleWare and the network protocol used by the database MiddleWare can be found in the administration manuals for the operating system and database.

CMS Requirements

CMS Release 3.4.3 or higher and current associated requirements (sheets).

AS/400 Requirements

The minimum AS/400 operating system requirement for RISC is release level V5R2.

CGC highly recommends that you operate at the latest AS/400 operating system PTF level. The chart below lists IBM PTFs by operating system. Be sure your operating system is running with these programs to avoid potential future issues.

IBM PTFs by Operating System

Cumulative				
V5R3	SI 24723	Latest cumulative PTF package	08/09/2006	
V5R2	SI 23978	Latest cumulative PTF package	05/31/2006	
Database/SQL				
V5R3	SI 24723	Latest cumulative PTF package	01/27/2006	
V5R2	SI 23978	Database/SQL group PTF	05/31/2006	



Chapter 2

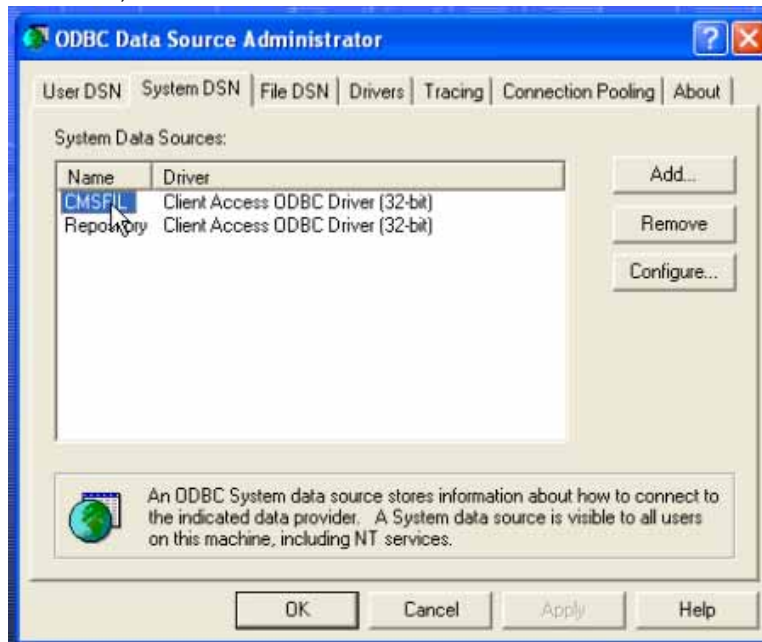
Installing Client Access/iSeries Access Express

iSeries Access Express is an IBM product that provides client/server capabilities for connecting PCs to iSeries servers. iSeries Access Express must be installed before installing Business Objects on your server.

Note Before upgrading your current version of Client Access, open the ODBC Manager and delete the current Client Access, CMSFIL, and Repository connections.

To delete the current version of Client Access, CMSFIL, and Repository connections

- 1 On the **Windows Start** menu, select **Control Panel**, select **Administrative Tools**, and then select **Data Sources (ODBC)**.
- 2 On the **System DSN** tab, select **CMSFIL**, and then click **Remove**.
- 3 An **ODBC Administrator** appears, asking if want to remove the **CMSFIL Data Source**. Click **Yes**, and then click **OK**.



- 4 Repeat the same steps to delete the current **Repository** connection.

To install iSeries Access Express

- 5 Insert the Client Access Express CD in your CD-ROM drive.
If the installation does not automatically begin, in Windows Explorer, navigate to D:\iSeries Access Original Install Programs\V5R2\ (where D:\ is your CD-ROM drive), and then double-click **SETUP.EXE**.

The **Upgrade Client Access Express** message box displays.



- 6 In the **Upgrade iSeries Access Express** message box, click **Yes**.
The **Upgrade iSeries Access** window opens.



- 7 Click **Next**.
The **License Information** window appears.

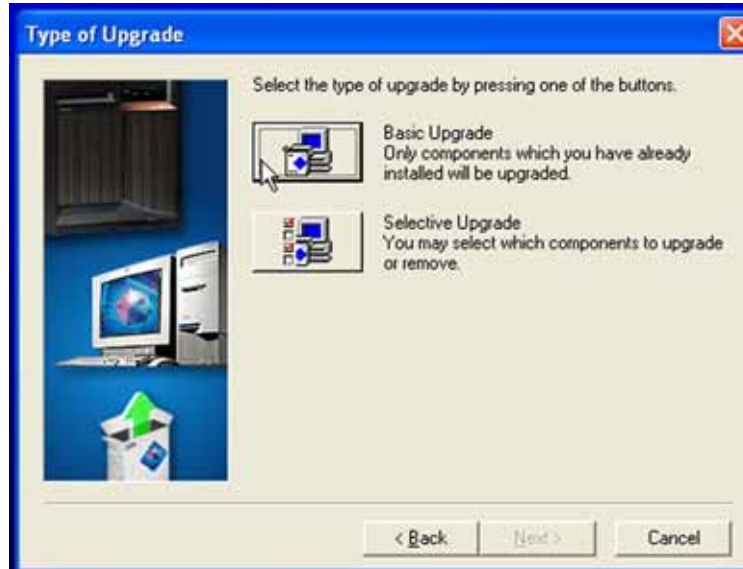


- 8 Click **Yes**.

The **Building List of Components** window displays with a progress indicator.



The **Type of Upgrade** window displays after the list of components is built.



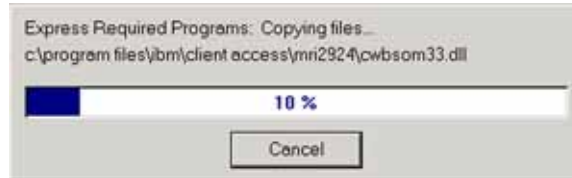
9 Click **Basic Upgrade**.

The **Restricted Components** window displays.

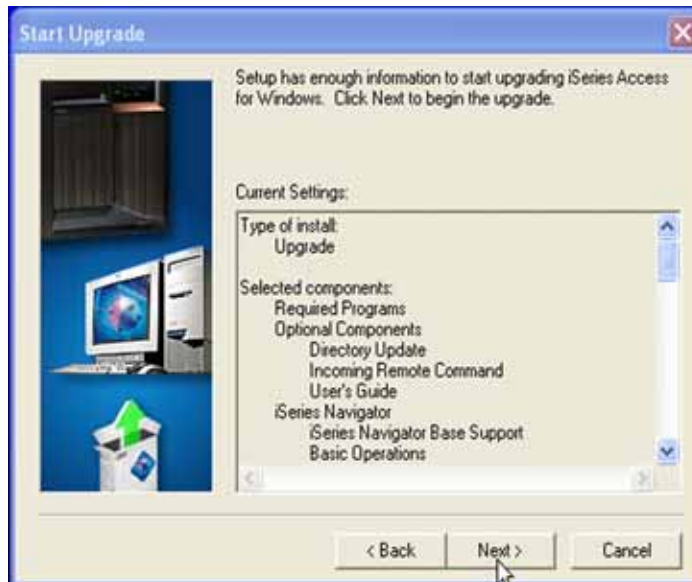


10 Click **Next**.

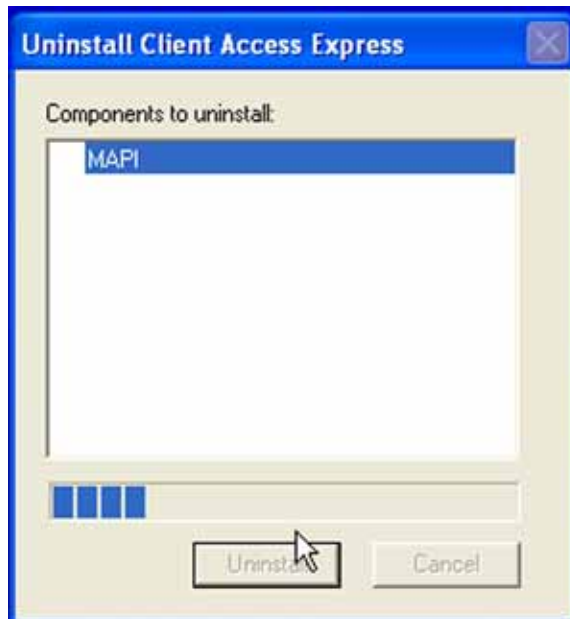
The **File Copy** progress indicator box displays.



11 The **Start Upgrade** window displays.



12 Uninstall Client Access Express.



Once the files are copied, the **Upgrade Completed** window displays.



- 13 Select the desired options and click **Next**.

The Restart Computer window displays.



- 14 Click **Yes** to restart your computer now or **No** to restart your computer later, and then click **Finish**.



Chapter 3

Installing iSeries Access Service Pack

After installing iSeries Access Express, you must install the latest service pack before installing Business Objects.

To download and install the iSeries Access Service Pack

- 1 Create a folder named Client Access Installation on the Desktop.

To do this, right-click on the **Desktop**, point to **New**, and then click **Folder**. Name the folder **Client Access Installation**.

This folder will contain the installation files.

- 2 On the **Start** menu, point to **Programs**, point to **IBM AS400 iSeries Access Express**, and then click **Internet Information**.

The **iSeries Access Express** window displays.



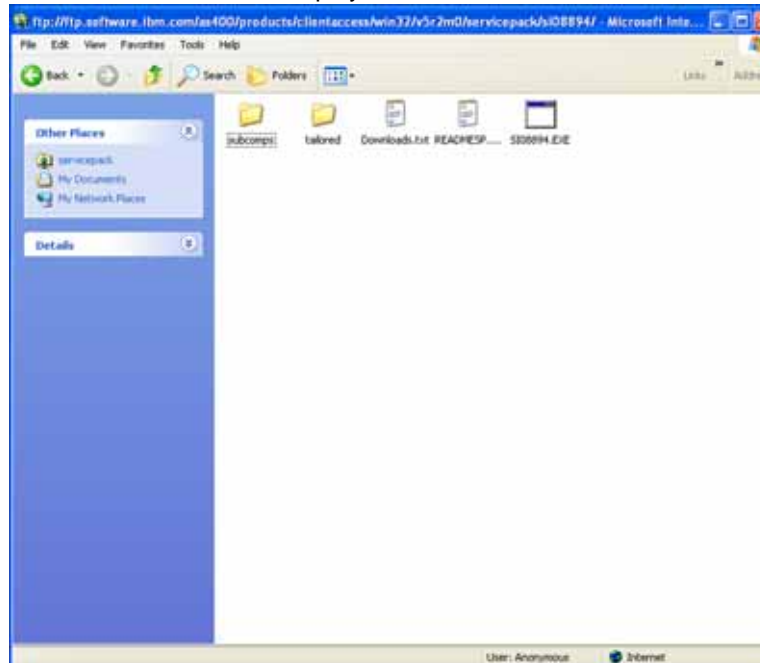
- 3 Click **AS/400 iSeries Access** in the upper left corner.

- 4 Depending on your iSeries Access version, click the **SI number** in the table that corresponds to your Client Access version.

For example, if you have V5R3 loaded on your machine, click the SI number next to V5R3.

Note The service level number on the Web site may be higher than what is listed in this example.

The **Downloads** window displays.



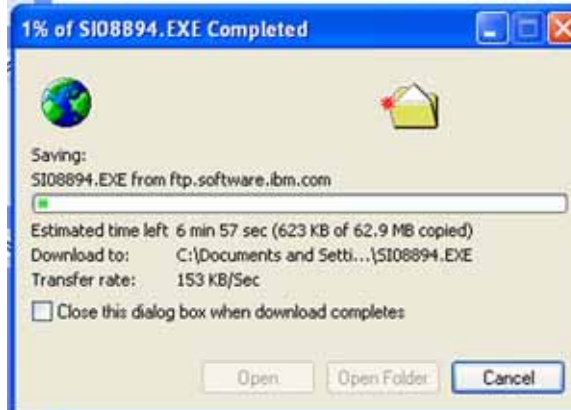
- 5 Click the **.exe** file.

The **File Download** window displays.

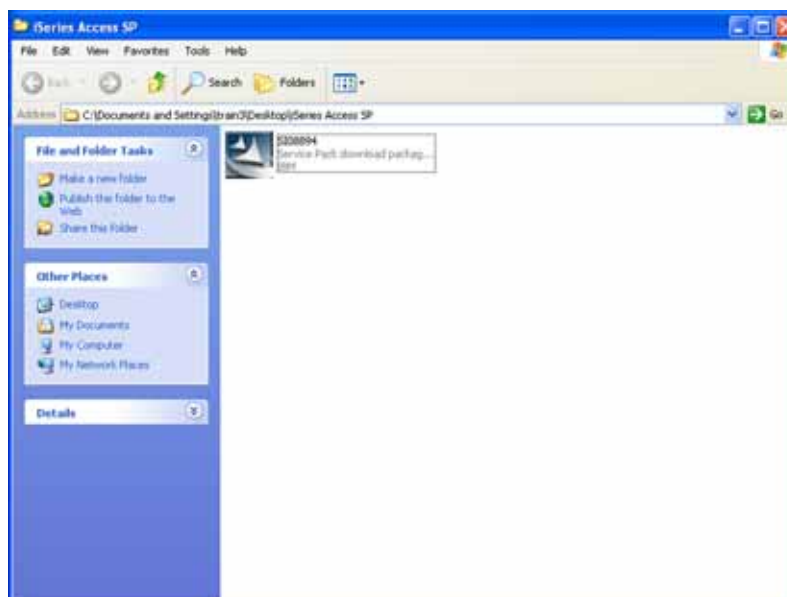


- 6 Click **Save**, and then save the file in the **iSeries Access Installation folder** on your Desktop.

The **Download Status** window displays.

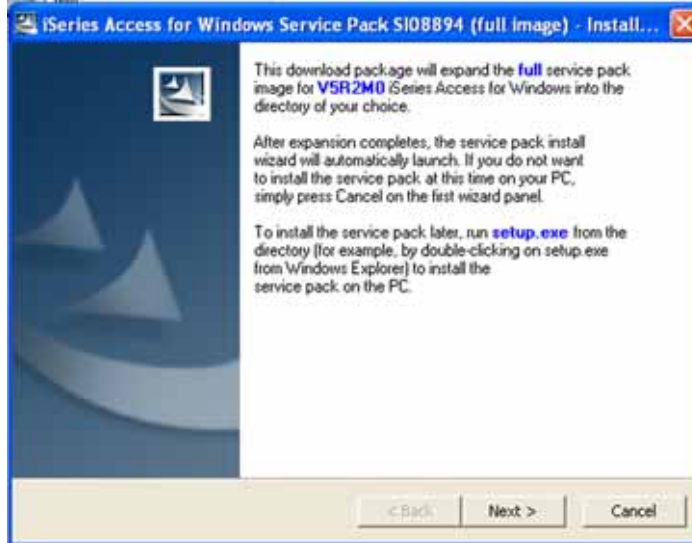


- 7 On the **Desktop**, in the **Client Access Installation** folder, double-click **.exe** file.
In the following example, the file is named SI08894.exe.



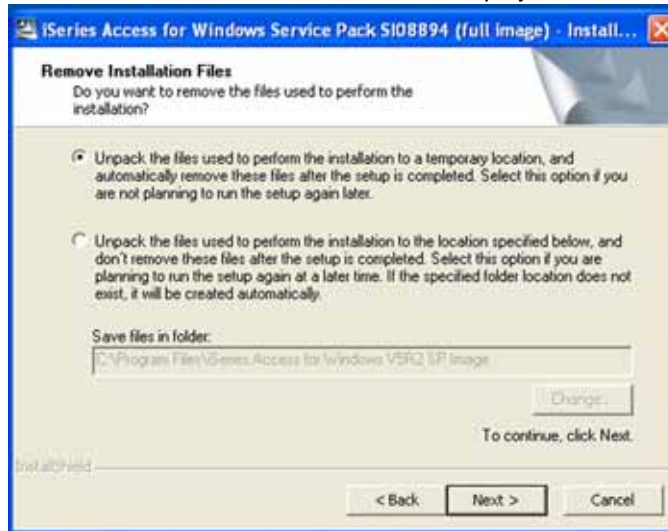
- 8 In the **iSeries Access Installation** folder, double-click the **Setup.exe** file.

9 The iSeries Access for Windows Service Pack Installation begins..



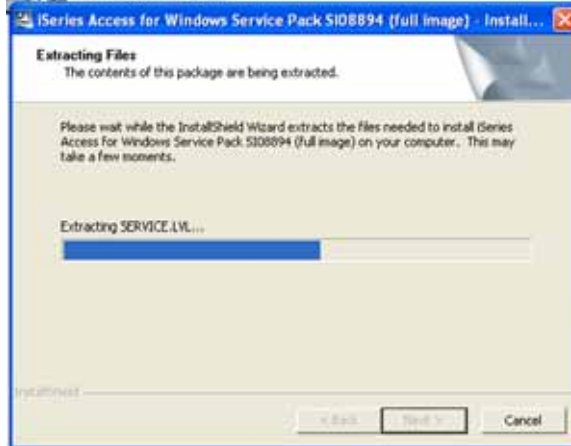
10 Click **Next**.

The **Remove Installation Files** screen displays.



11 Select **Unpack the Files Used to Perform**, and click **Next**.

The **Extracting Files** screen displays.



The **Start Copying Files** screen displays after the list of components is built.

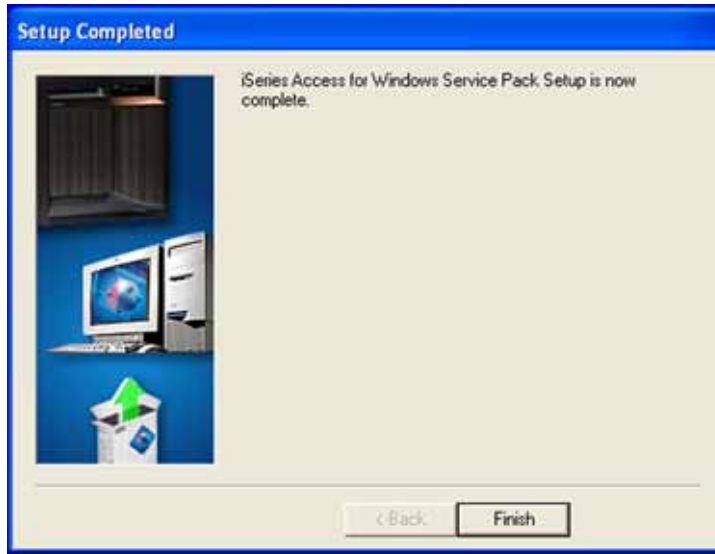


12 Click **Next**.

The **Copying Files** progress indicator box displays.



Once the files are copied, the **Setup Completed** screen displays.



- 13 Click **Yes** to restart your computer now or **No** to restart your computer later, and then click **Finish**.



Chapter 4

Creating ODBC Connections for Windows 2000 and 2003 Server

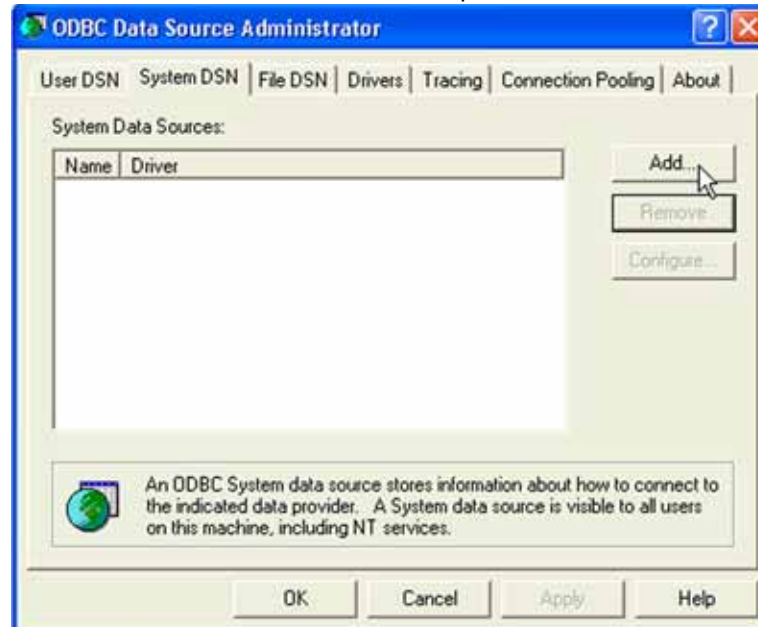
To install Business Objects, you must first create two connections to two databases. The first connection is to the library where the repository will be installed, and is explained in "[Creating a Connection to the Repository](#)" on page 14. Once you have completed all the steps in that section to connect to the Repository, you must follow the instructions in "[Creating a Connection to the CMSFIL Data Source](#)" on page 19 to create the second connection to the CMSFIL data source.

- CMSFIL - Corporate database
- CGCUNV65 - Repository

Creating a Connection to the Repository

- 1 On the **Start** menu, point to **Settings**, and then click **Control Panel**.
- 2 On the **Control Panel** window, open **Administrative Tools**, and then open **Data Sources (ODBC)**.

The ODBC Data Source Administrator opens.



In the example above, the System DSN tab is shown. Normally, when you open the ODBC Data Source Administrator, the User DSN tab is active

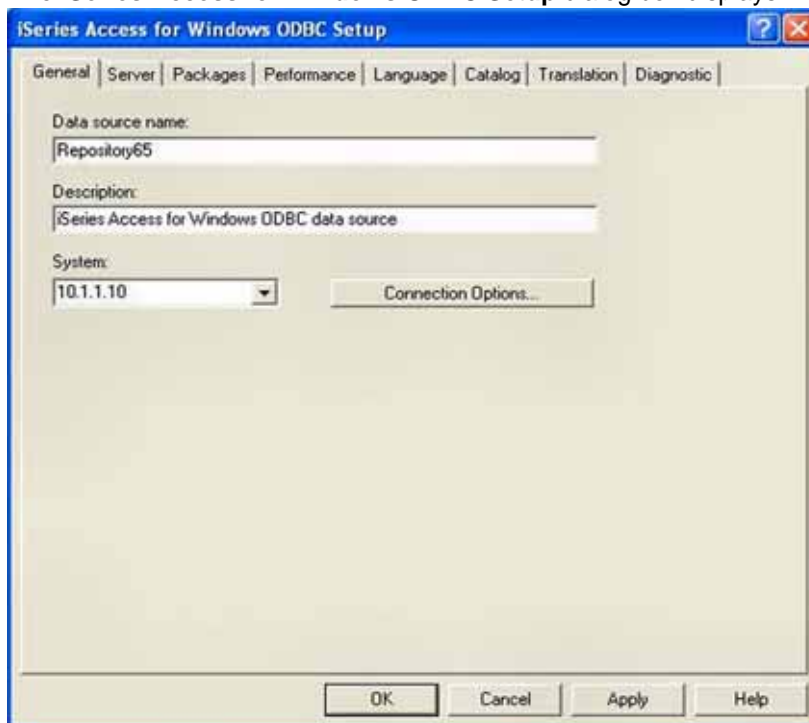
- 3 On the **System DSN** tab, click **Add**.

The **Create New Data Source** window displays.



- 4 Select **iSeries Access ODBC Driver**, and then click **Finish**.

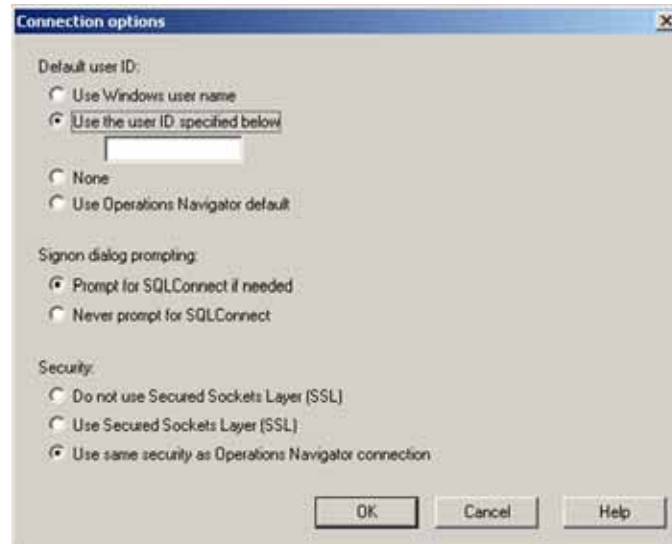
The **iSeries Access for Windows ODBC Setup** dialog box displays.



- 5 In the **iSeries Access for Windows ODBC Setup** dialog box, on the **General** tab, perform the following:
 - a In the **Data Source Name** box, enter **Repository65**.
 - b In the **AS/400 System** drop-down list, select the iSeries IP address.
In the example above, the AS/400 System IP address is 10.1.1.10.

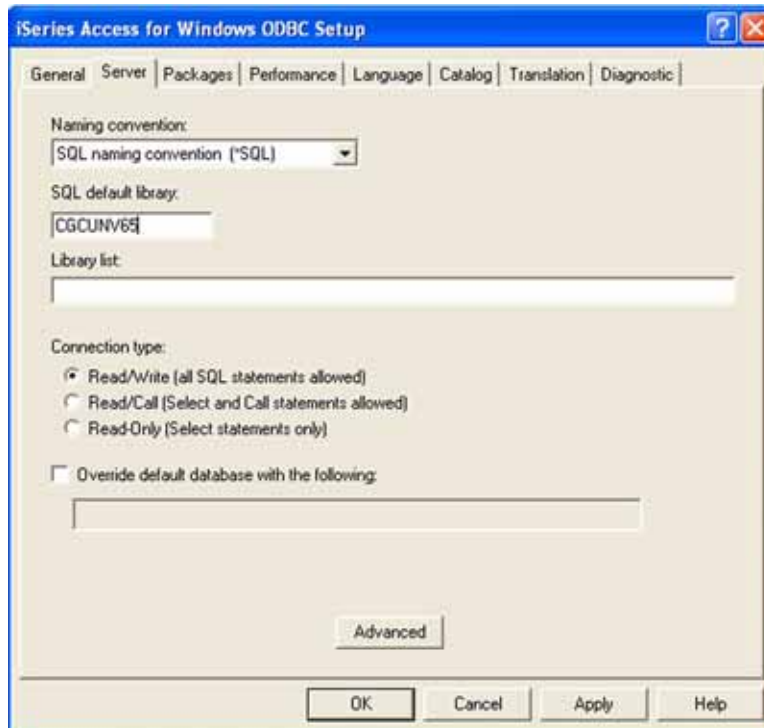
- c Click **Connection Options**, and then under **Default User ID**, select **Use the user ID specified below**.

Important Do not specify a user ID.



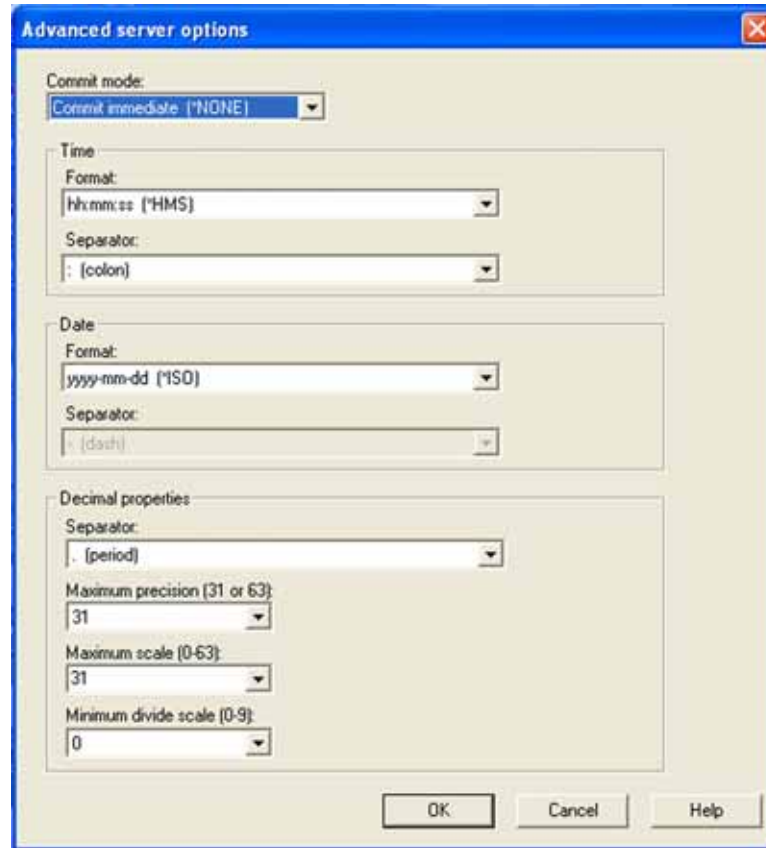
- d Under **Signon dialog prompting**, select **Prompt for SQLConnect if needed**.
- e Under **Security**, select **Use same security as Operations Navigator connection**, and then click **OK**.

- 6 In the **iSeries Access for Windows ODBC Setup** dialog box, on the **Server** tab, perform the following:
- a In the **Naming convention** drop-down list, select **SQL naming convention (*SQL)**.



- b In the **SQL default library** box, enter **CGCUNV65**.
- c Under **Connection Type**, select **Read/Write (all SQL statements allowed)**.

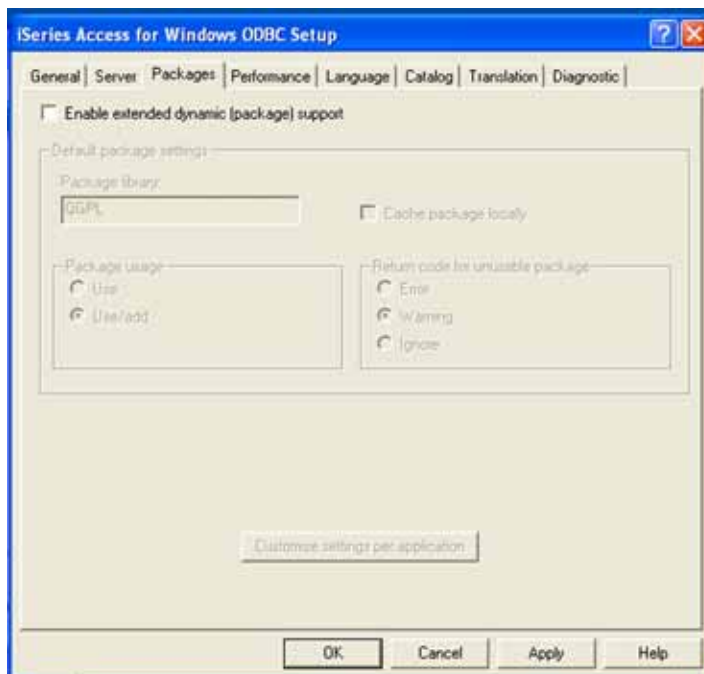
- d Click **Advanced**, and then in the **Advanced server options** dialog box, in the **Commit Mode** drop-down list, select **Commit immediate (*NONE)**, and then click **OK**.



Note Leave all other defaults on the Advanced server options dialog box.

- e In the **iSeries Access for Windows ODBC Setup** dialog box, on the **Packages** tab, clear the **Enable extended dynamic (package) support** check box.

When you clear this check box, all other options on the Packages tab become unavailable.



- 7 Click **OK**, and continue to ["Creating a Connection to the CMSFIL Data Source"](#) on page 19.

Creating a Connection to the CMSFIL Data Source

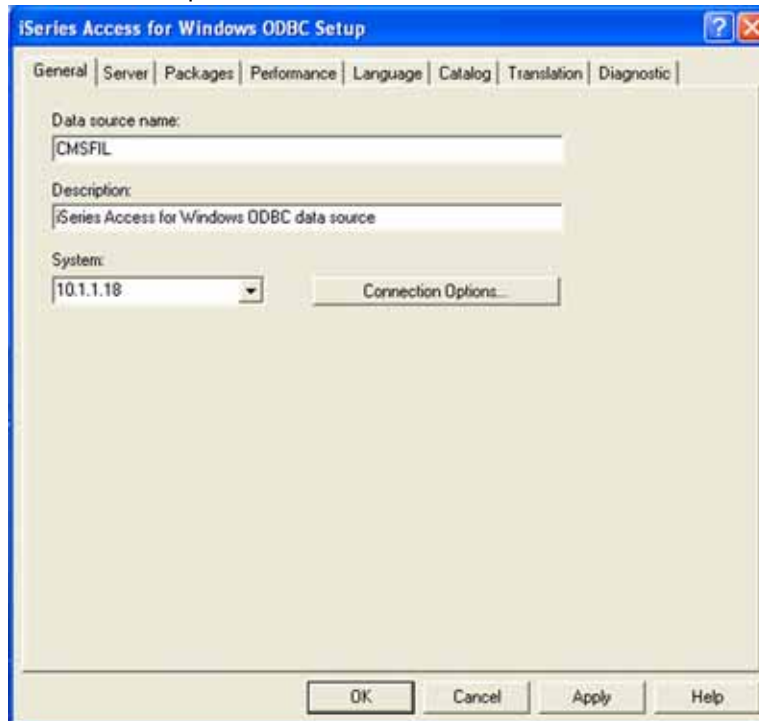
This section explains how you create a connection to the CMSFIL data source after you have followed the steps in ["Creating a Connection to the Repository"](#) on page 14.

To create a connection to the CMSFIL data source

- 1 In the **ODBC Data Source Administrator**, on the **System DSN** tab, click **Add**.
The **Create New Data Source** dialog box opens.

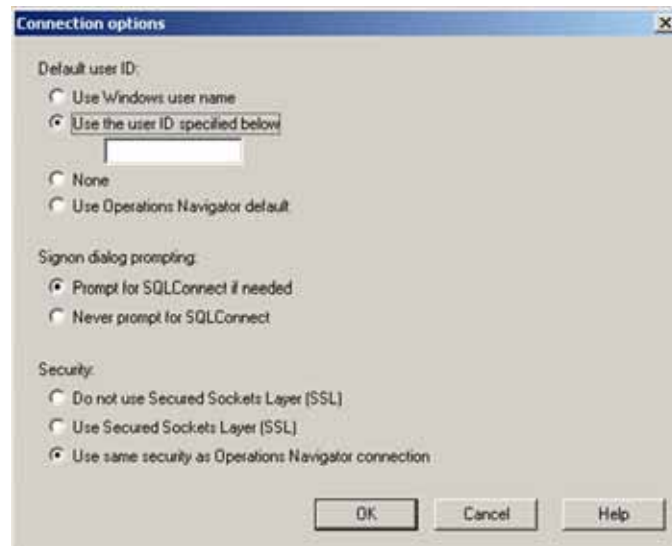


- 2 On the **Create New Data Source** dialog box, select **iSeries Access ODBC Driver**, and then click **Finish**.
- 3 On the **ODBC Setup** window, on the **General** tab, perform the following:
 - a In the **Data Source Name** box, enter **CMSFIL**.
 - b In the **AS/400 System** drop-down list, enter the iSeries IP address.
In the example below, the AS/400 IP address is 10.1.1.18.



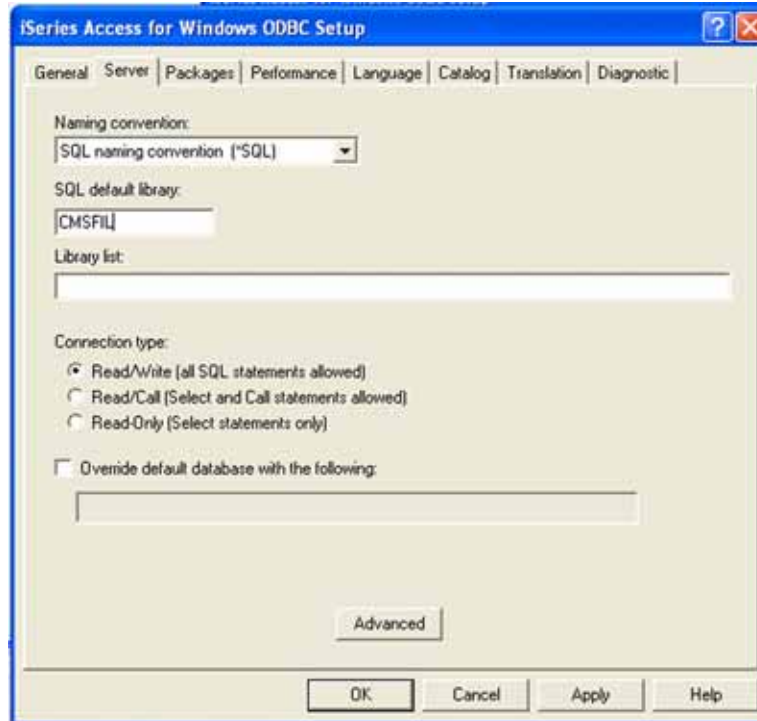
- c Click **Connection Options**, and then under **Default User ID**, select **Use the user ID specified below**.

IMPORTANT Do not specify a user ID.



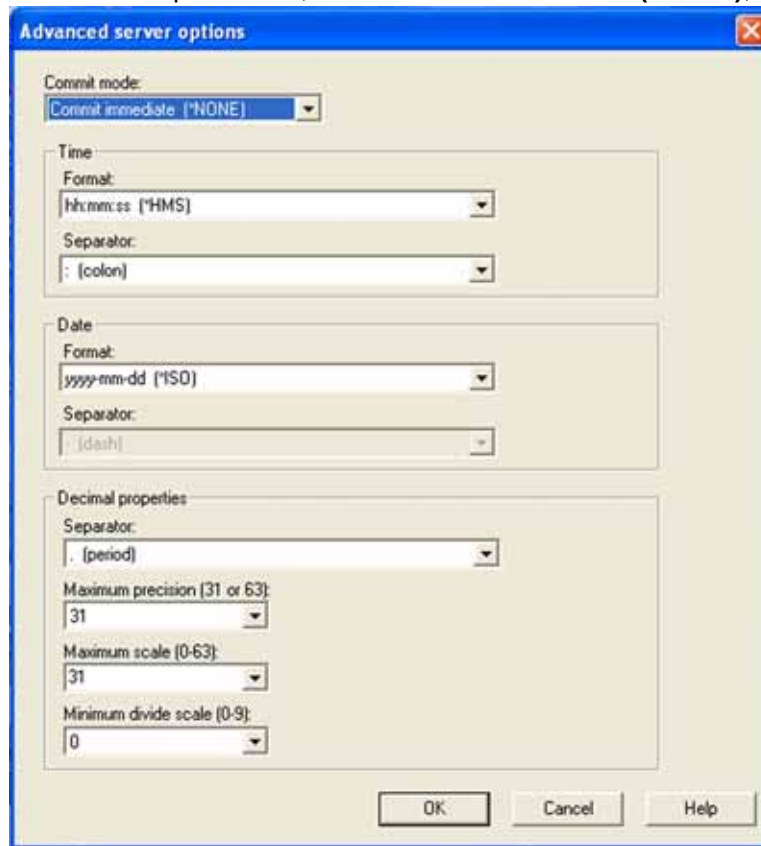
- d Under **Signon dialog prompting**, select **Prompt for SQLConnect if needed**.
 - e Under **Security**, select **Use same security as Operations Navigator connection**, and then click **OK**.
- 4 Click the **Server** tab, and then perform the following:
- a In the **Naming convention** drop-down list, select **SQL naming convention (*SQL)**.

- b In the **SQL default library** box, enter **CMSFIL**.



- c Under **Connection Type**, select **Read/Write (all SQL statements allowed)**.

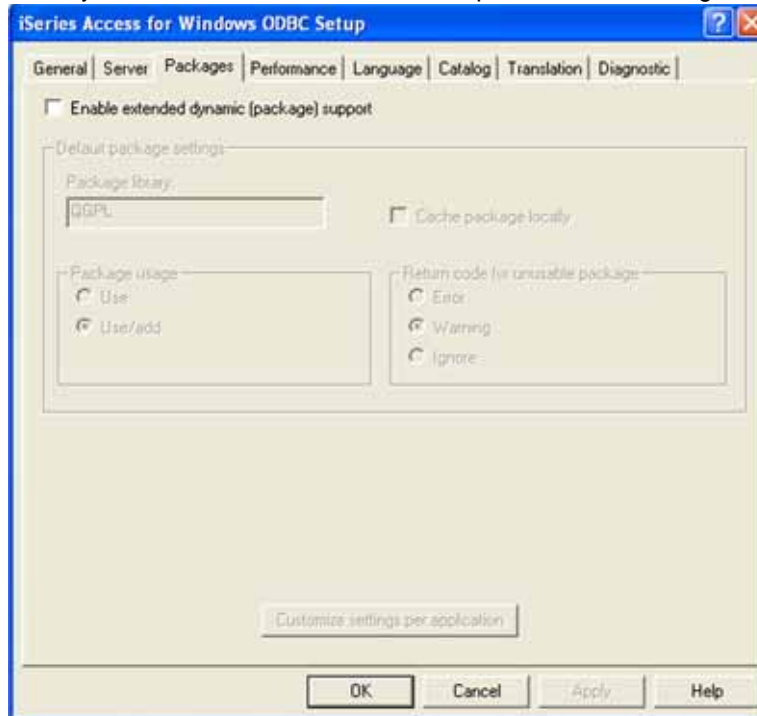
- d Click **Advanced**, and then in the **Advanced server options** dialog box, in the **Commit Mode** drop-down list, select **Commit immediate (*NONE)**, and then click **OK**.



Note Leave all other defaults on the Advanced server options dialog box.

- e In the **iSeries Access for Windows ODBC Setup** dialog box, on the **Packages** tab, clear the **Enable extended dynamic (package) support** check box.

When you clear this check box, all other options on the Packages tab become unavailable.



- f Click **Apply**, and then click **OK**.

When you click OK, you return to the ODBC Data Source Administrator, which displays the new data sources you just created: CMSFIL and Repository.

- 5 In the **ODBC Data Source Administrator**, click **OK**.
- 6 If open, close the **Administrative Tools** window.



Chapter 5

Server Installation

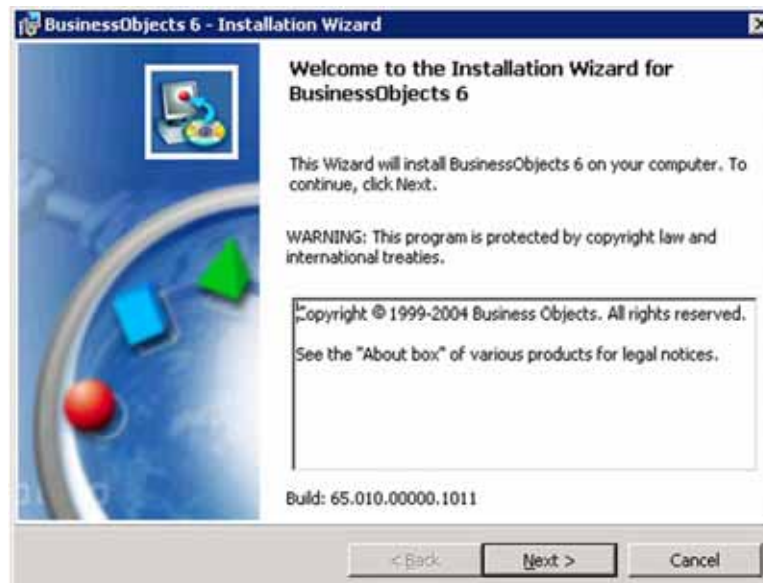
Performing Business Objects Server Installation

Important Before installing or upgrading Business Objects, you must obtain a License Key (in XML file format) from Computer Guidance Corporation. Please contact Business Objects Support either via email at: Support@computerguidance.com, or 1-800-952-2002, option 4.

To perform a Server installation

- 1 Insert Business Objects installation CD1 into the disk drive.

The installation program automatically starts and the **Business Objects 6 - Installation** window displays.



Note If the Welcome to Installation window does not automatically display, in Windows Explorer, navigate to D:\401-10-651-01_1\Setup (where D:\ is your CD-ROM drive), and then double-click Setup.exe.

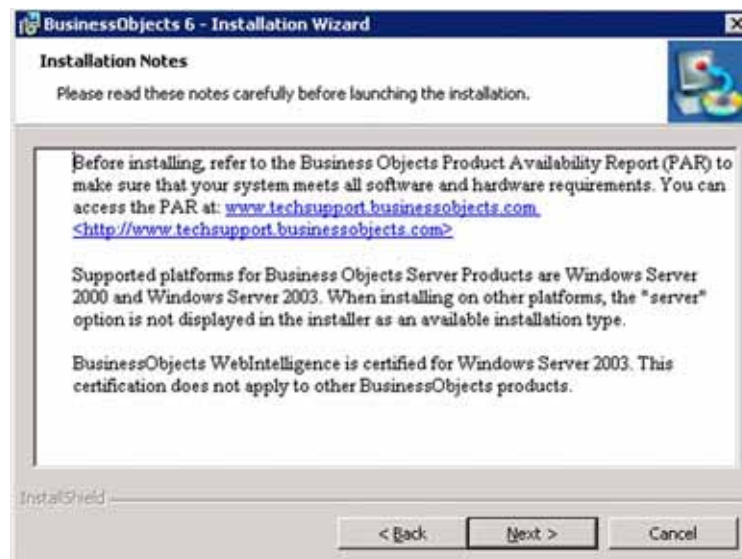
- 2 Click **Next**.
The **Choose Setup Language** dialog box displays.
- 3 Click **Next**.

The **License Agreement** displays.



- 4 Read the agreement carefully.
- 5 To proceed with the installation, select **I accept the terms in the license agreement**, and click **Next**.
 - To cancel the installation, click **I do not accept the terms in the license agreement**, and the Installation wizard closes.

The **Installation Notes** page displays.



- 6 Late-breaking information about installing and configuring Business Objects displays on this page. Read these notes carefully and click **Next** to proceed.

The Installation Wizard checks whether a previous version of Business Objects products is installed. If no previous version is detected, the **License Files Folder** page displays.

Note If a previous version is detected, uninstall the version and install 6.5.1.

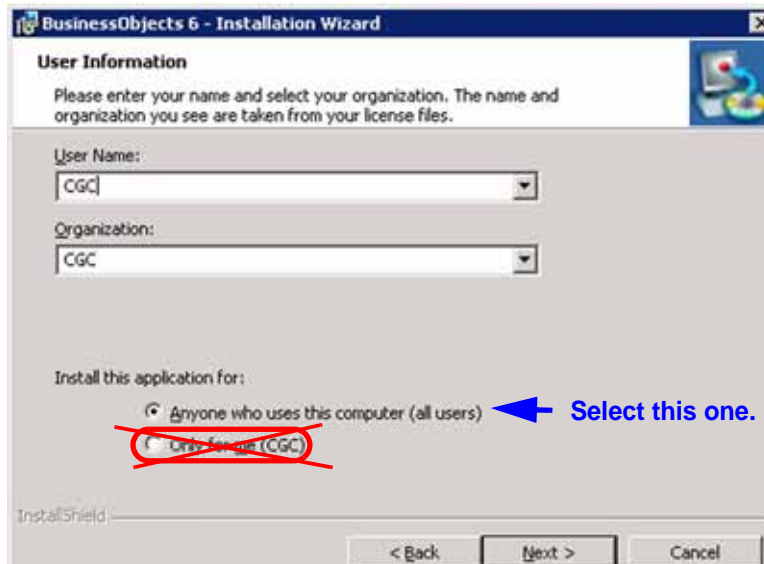
The **License Files Folder** page displays.



- To change the default location of the License File, click **Change**, and then **Browse** to find the directory where you stored the license key.
- To view existing licenses, click **Check License**.

7 Click **Next**.

The **User Information** page displays. The Installation wizard suggests the user and company names found in the license files or the default system values.



Important Do not select **Only for me**.

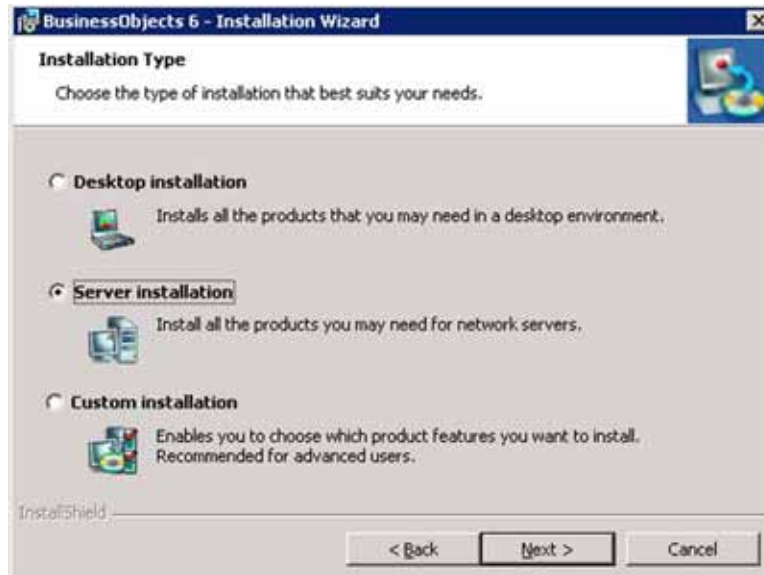
8 Click **Next**.

The **Languages to Install** page displays.

9 Select the languages desired, and then click **Next**.

If more than one language is selected, you are prompted to select a default language.

The **Installation Type** page displays

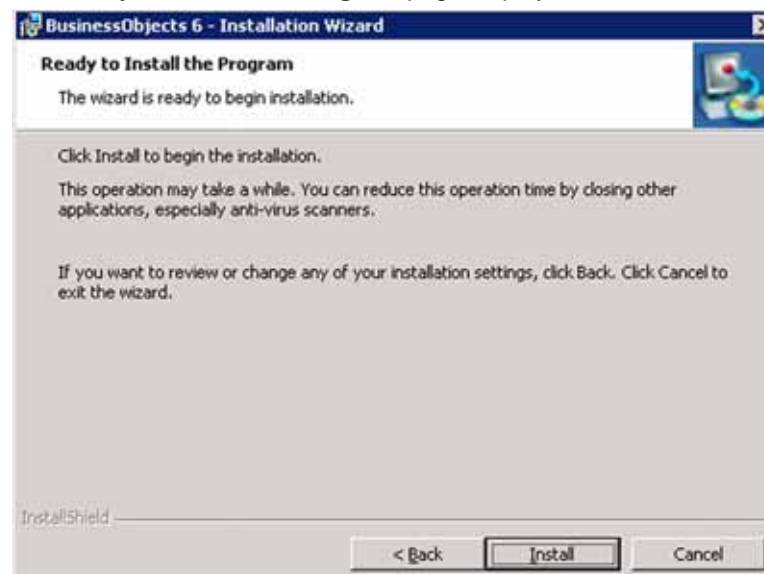


Note If your operating system does not support server products, only the Desktop and Custom Installation options display.

10 Select **Server** installation.

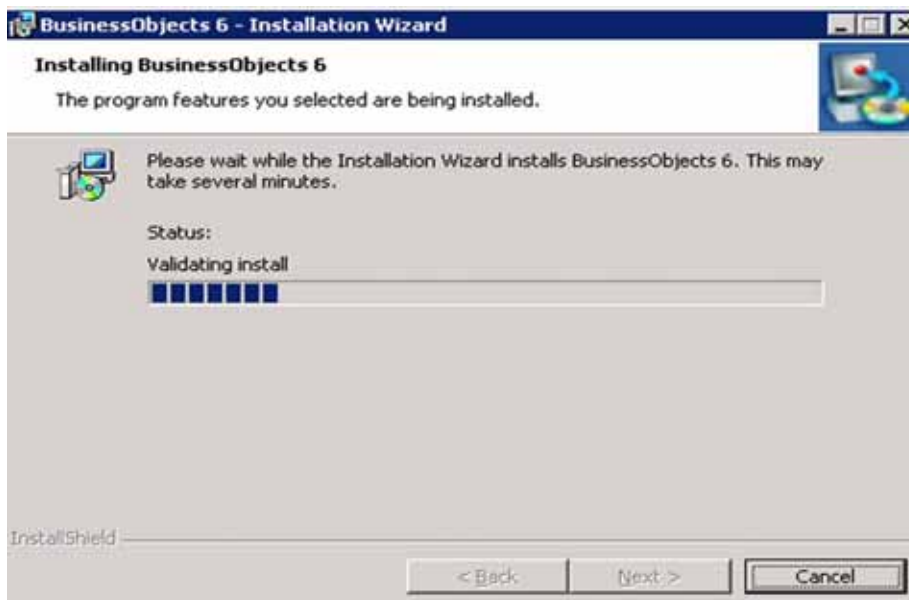
11 .Click **Next**.

The **Ready to Install the Program** page displays.

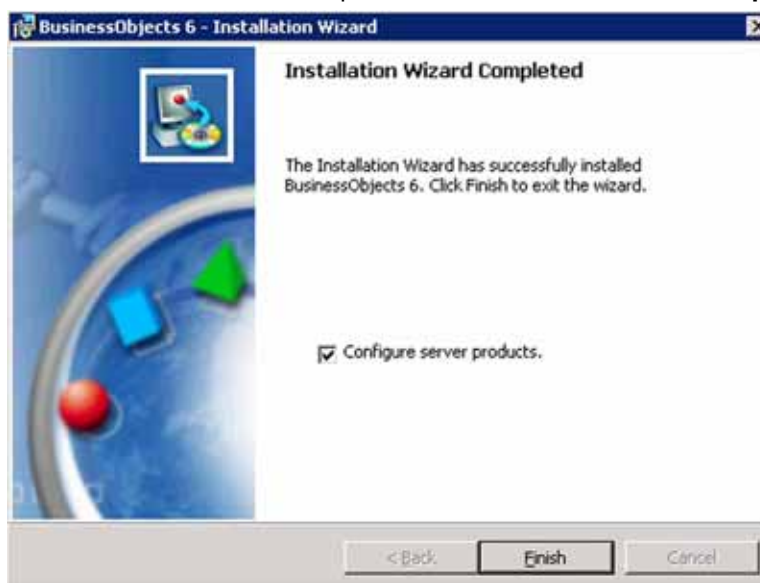


12 .Click **Install**.

The installation begins.



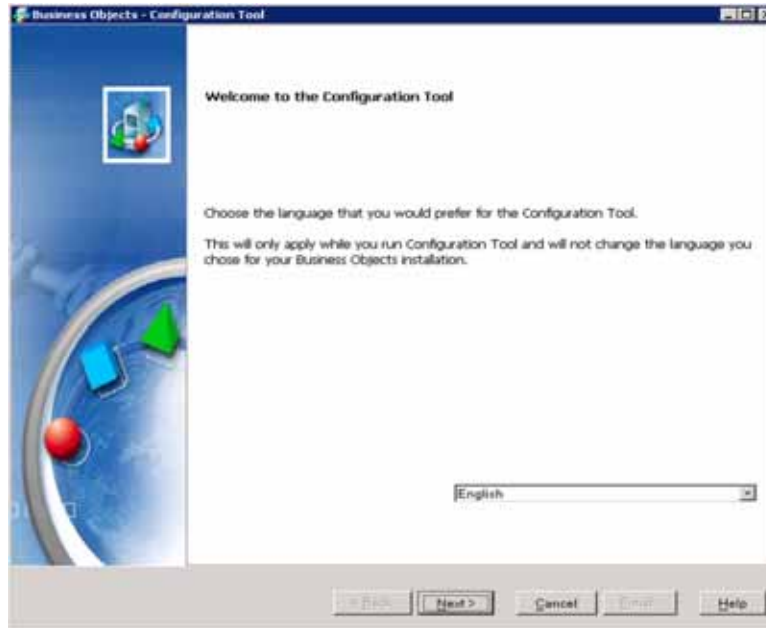
When the installation has completed, the **Installation Wizard Completed** page displays.



- 13 To complete the installation, perform configuration by selecting one of the following options:
- To begin configuration now, select the Configure Server Products box, and then click **Finish**.
 - If you chose to configure the Server products now, follow the instructions in the next section, ["Business Objects Server Products Configuration"](#) on page 30.
 - To begin configuration later, clear the Configure Server Products box, and then click **Finish**. If you chose to configure the Server products later, please go to the Windows menu, **Start, Programs, Business Objects, Configuration Tool 6.5** and then follow the instructions in the next section, ["Business Objects Server Products Configuration"](#) on page 30.

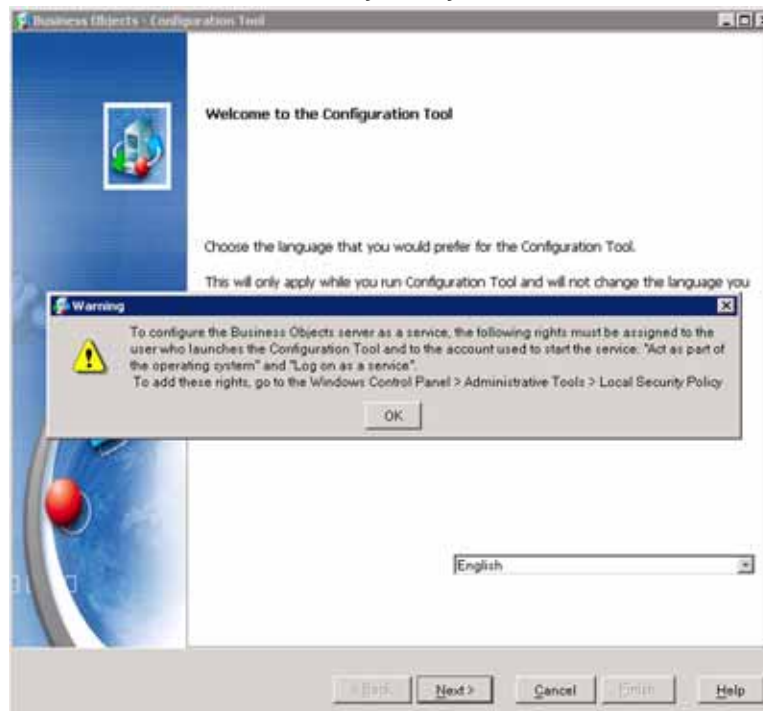
Business Objects Server Products Configuration

After beginning configuration by selecting the Configure Server Products box and clicking finish, the **Welcome to the Configuration Tool** page of the **Configuration Tools** screen displays.

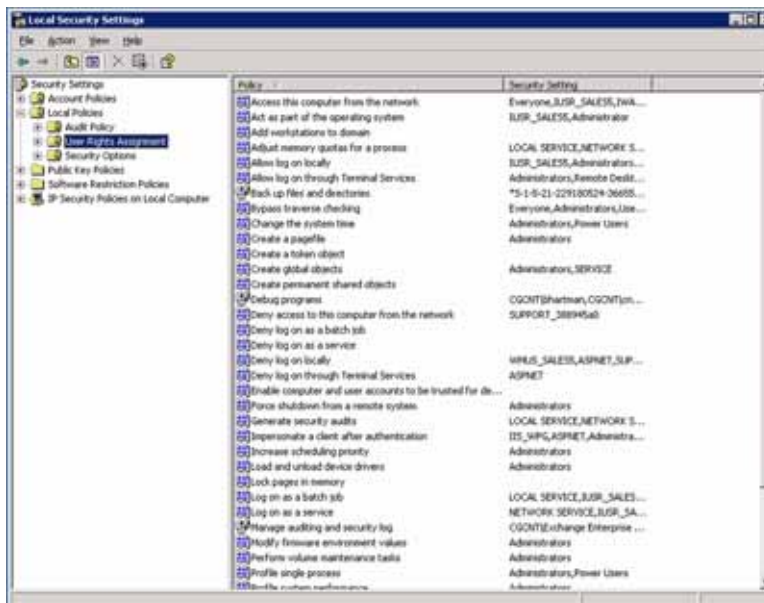


- 1 Select the language desired, and then click **Next**.

- If the following pop-up displays, follow the displayed instructions by clicking the Windows **Start** button, pointing to **Settings, Control Panel** and selecting the **Administrative Tools**. Select **Local Security Policy**.

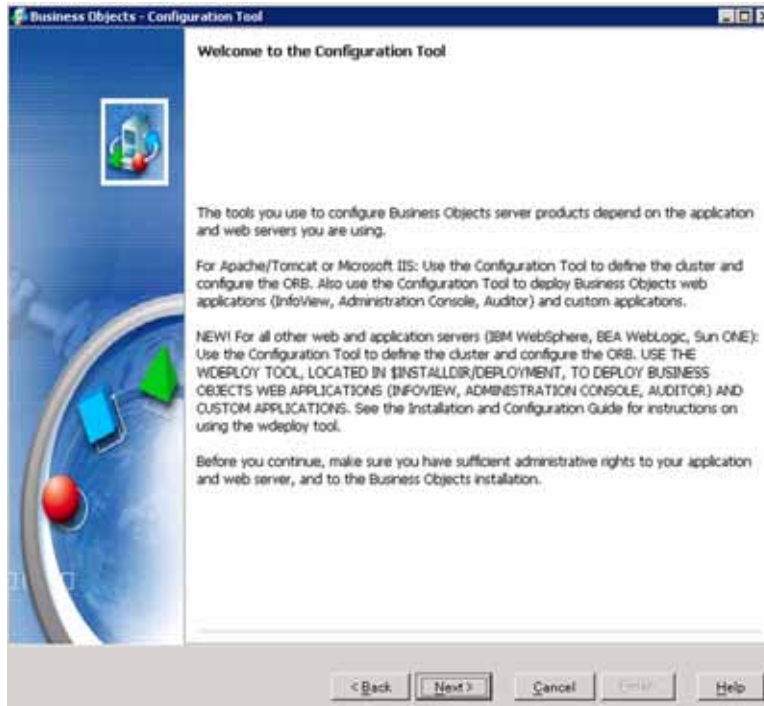


The **Local Security Settings** screen displays.



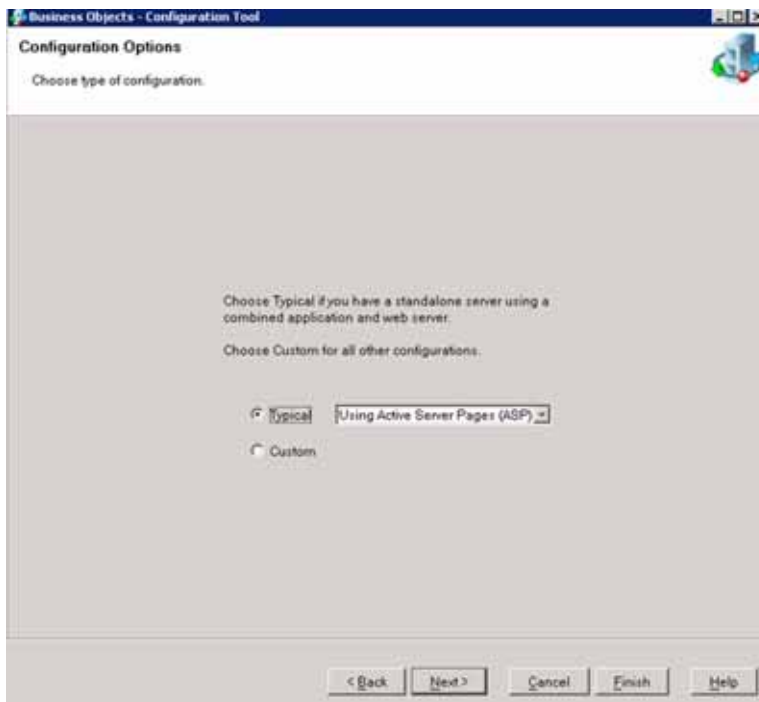
- As noted on the pop-up display, make changes to the **User Rights Assignment** selections: **Act as part of the operating system** and **Log on as a service**, double-clicking the selection and adding desired User or Group.
- After changing Security Policy, if needed, then from the **Business Objects Configuration Tool** screen, click **OK** to close the pop-up window, and then select the language desired, and then click **Next**.

The next welcome screen displays, containing information about the installation.



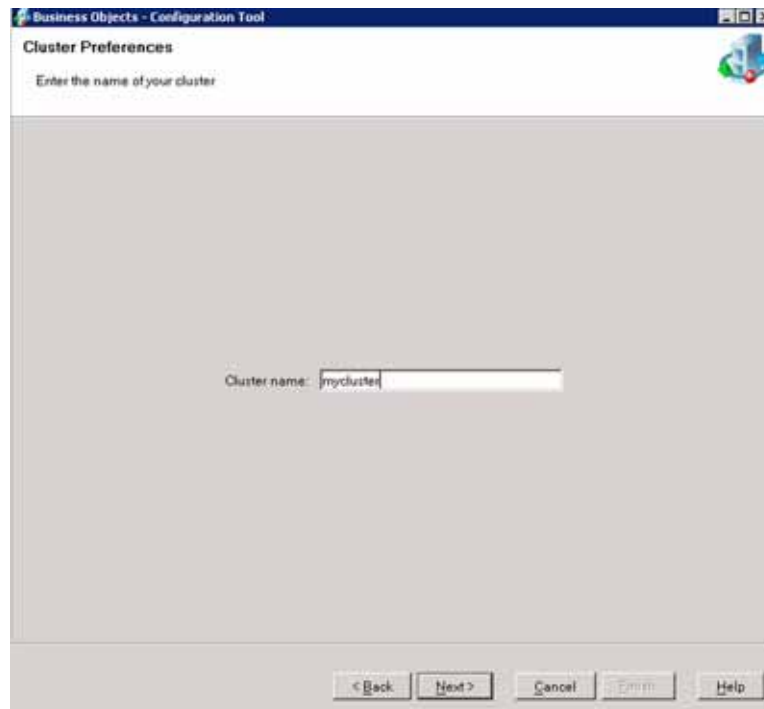
- 2 Read the information on the screen. As noted, you need Administrative rights to your application and Web server, and to the Business Objects installation to continue. If you do have needed Admin rights, click **Next** to proceed with configuration. If you do not have sufficient rights, then click Cancel to terminate the configuration.

The **Configuration Options** screen displays.



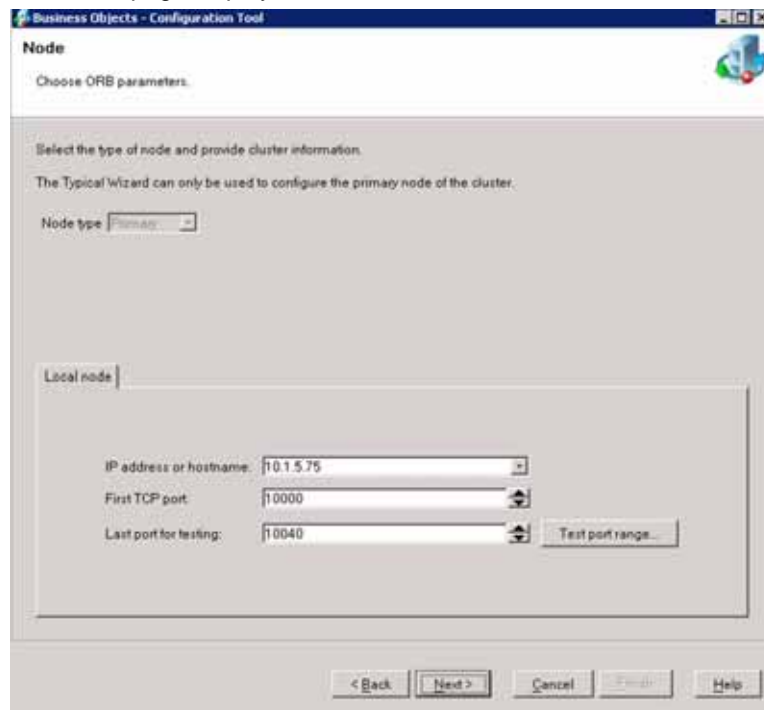
- 3 Select **Typical** for installation type, and chose **Using Active Server Pages (ASP)** from the drop-down menu.
- 4 Click **Next**.

The **Cluster Preferences** page displays.



The screenshot shows the 'Cluster Preferences' dialog box within the 'Business Objects - Configuration Tool'. The title bar reads 'Business Objects - Configuration Tool'. The dialog has a header area with the title 'Cluster Preferences' and a subtitle 'Enter the name of your cluster'. The main area is a large, empty gray rectangle. At the bottom of the main area, there is a text input field labeled 'Cluster name:' containing the text 'mycluster'. Below the input field, there are five buttons: '< Back', 'Next >', 'Cancel', 'Finish', and 'Help'.

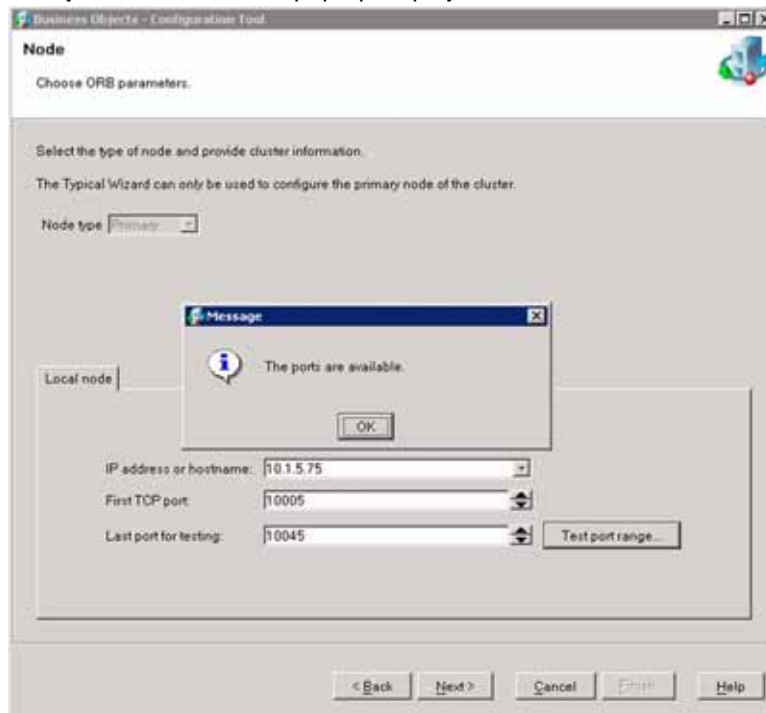
- 5 Specify a Cluster name in the text box, and then click **Next**.
- The **Node** page displays.



The screenshot shows the 'Node' dialog box within the 'Business Objects - Configuration Tool'. The title bar reads 'Business Objects - Configuration Tool'. The dialog has a header area with the title 'Node' and a subtitle 'Choose ORB parameters.'. The main area contains the following elements: a subtitle 'Select the type of node and provide cluster information.', a note 'The Typical Wizard can only be used to configure the primary node of the cluster.', a 'Node type' dropdown menu set to 'Primary', a 'Local node' section with a text input field containing '10.1.5.75', and three spinners for 'First TCP port' (set to 10000) and 'Last port for testing' (set to 10040). There is also a 'Text port range...' button. At the bottom, there are five buttons: '< Back', 'Next >', 'Cancel', 'Finish', and 'Help'.

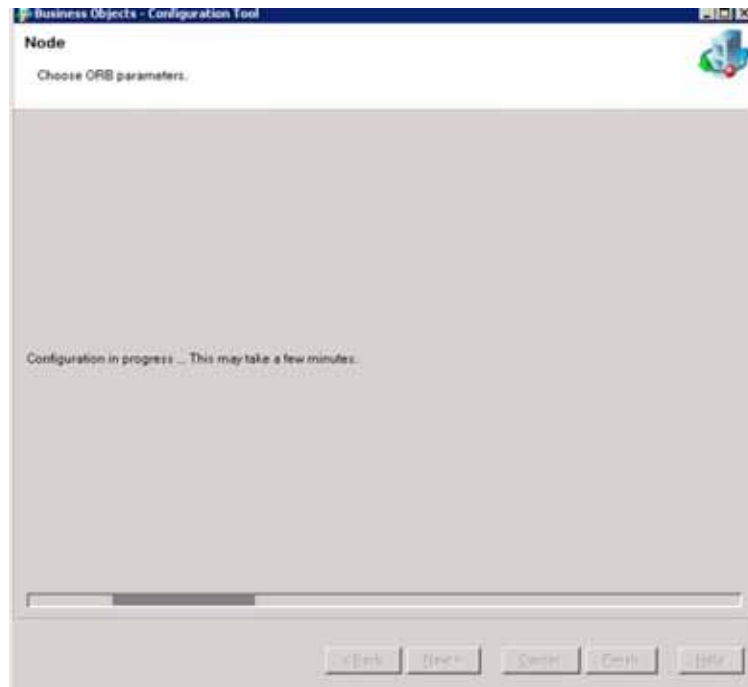
- 6 Type or select the following information in the applicable text boxes: **IP address or hostname**, **First TCP port**, and the **Last port for testing**.
- 7 Click the **Test port range** button.

The **ports are available** pop-up displays.

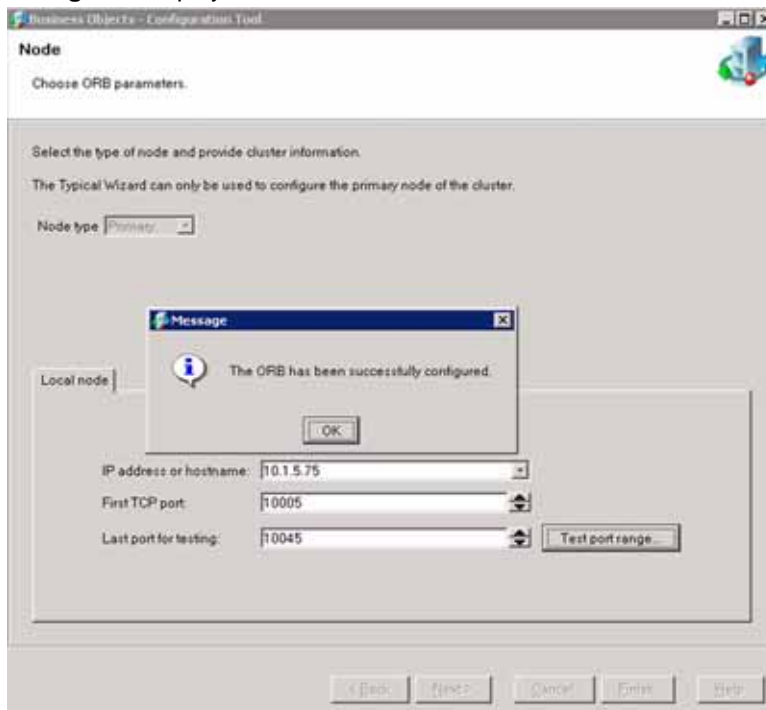


- 8 Click **OK** to close the pop-up box.
- 9 Click **Next**.

The **Configuration in Progress** screen displays.



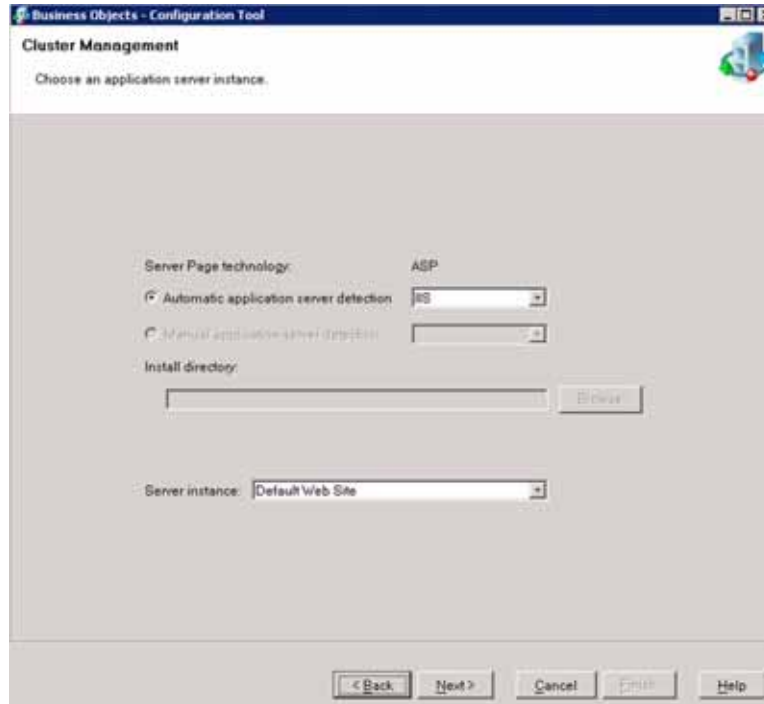
Once the configuration has completed, the message **The ORB has been successfully configured** displays.



10 Click **OK** to close the pop-up box.

11 Click **Next**.

The **Choose an application server instance** page displays.

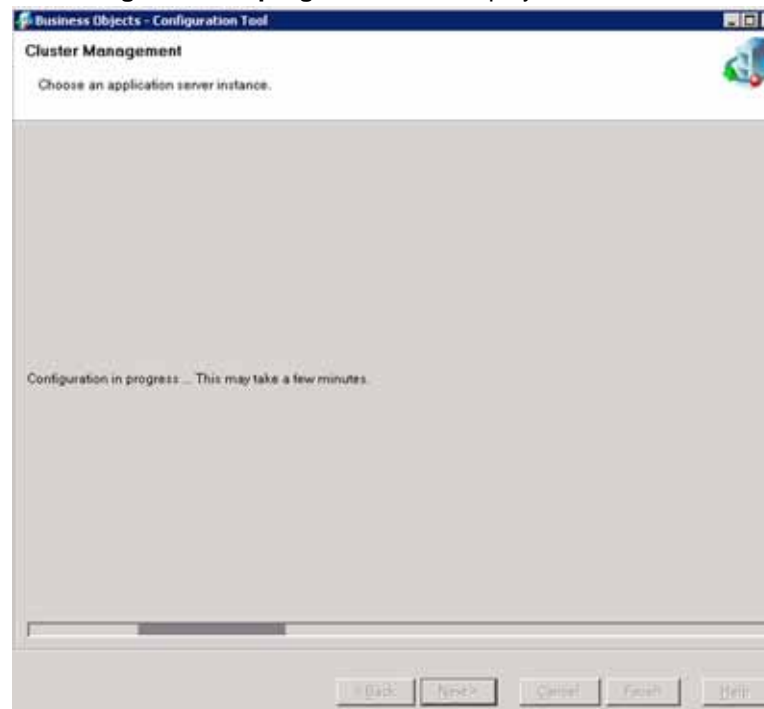


12 Select **Automatic application server detection**, and chose **IIS** from the drop-down list.

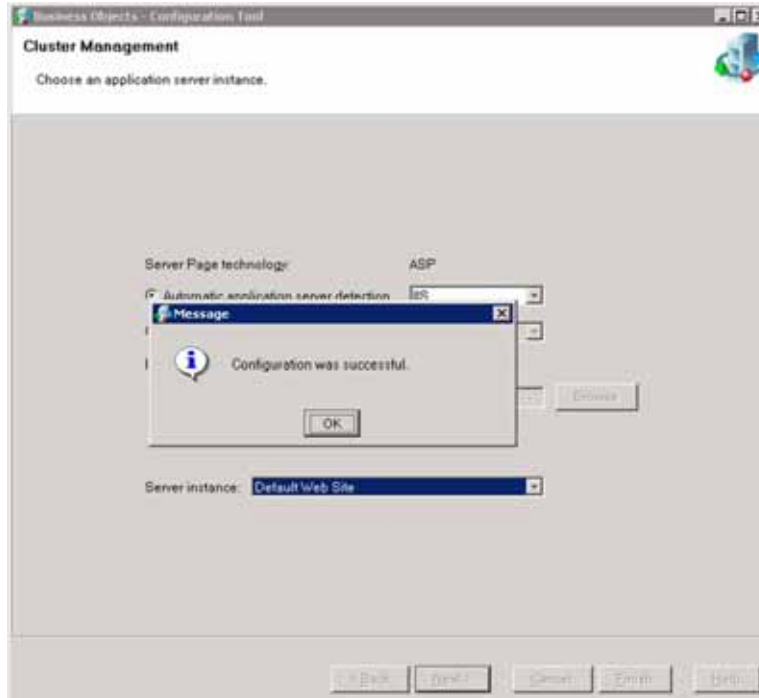
13 At the **Server instance** selection, chose **Default Web Site**.

14 Click **Next**.

The **Configuration in progress** screen displays.



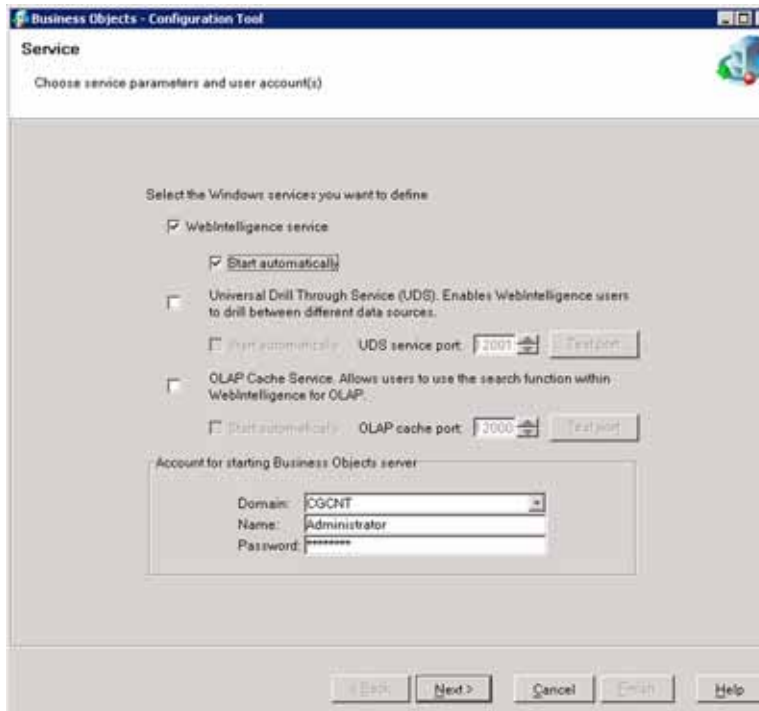
Once the configuration has completed, the message **Configuration was successful** displays.



15 Click **OK** to close the pop-up box.

16 Click **Next**.

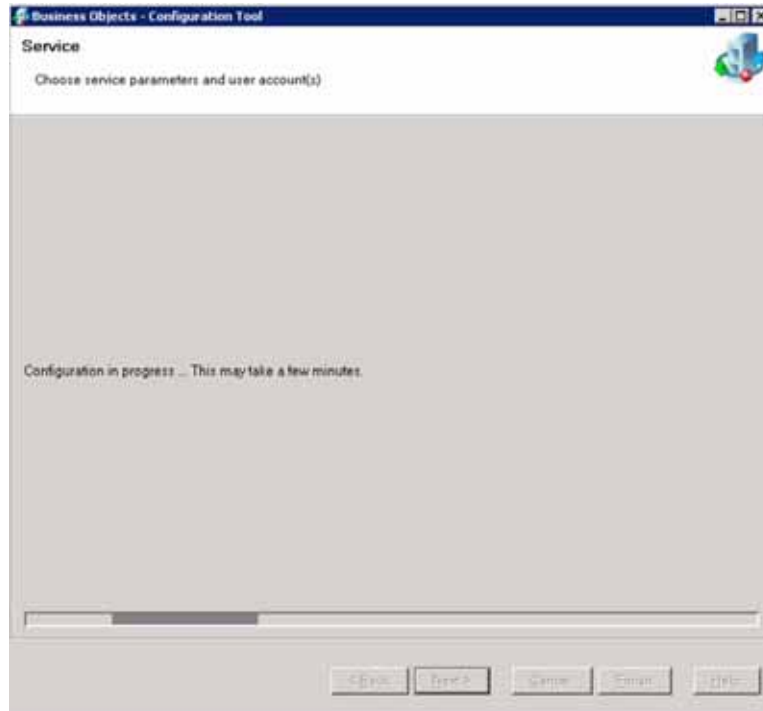
The **Chose service parameters and user accounts** screen displays.



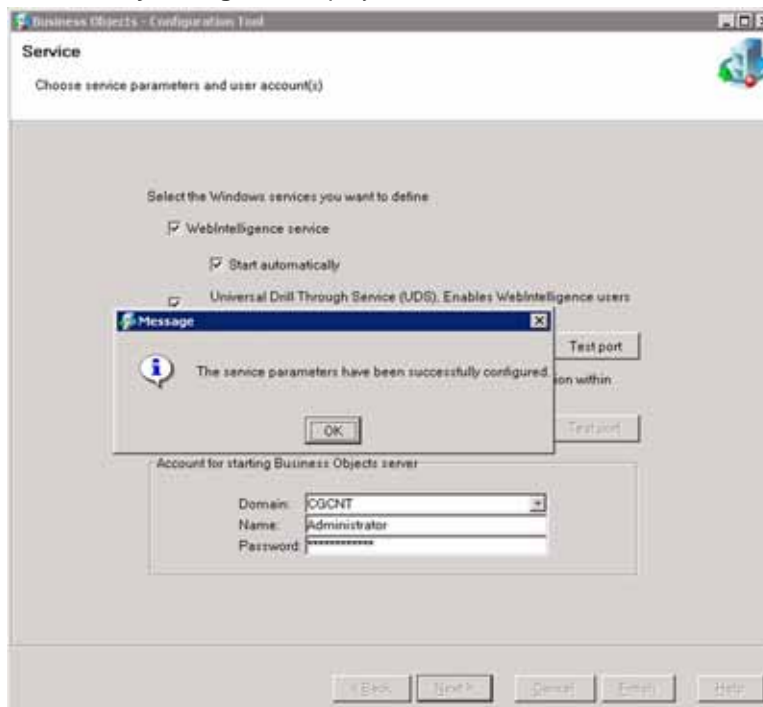
17 As noted on the above screen, select the following choices: **WebIntelligence service - Start automatically**. Under **Account for starting Business Objects server**, select the Domain using the drop-down arrow, if there is no domain, then enter the name of the Server. In the **Name** box, enter **Administrator**. In the **Password** box, enter the Administrator password.

- 18 Click **Next**.

The **Choose service parameters and user accounts** screen displays.



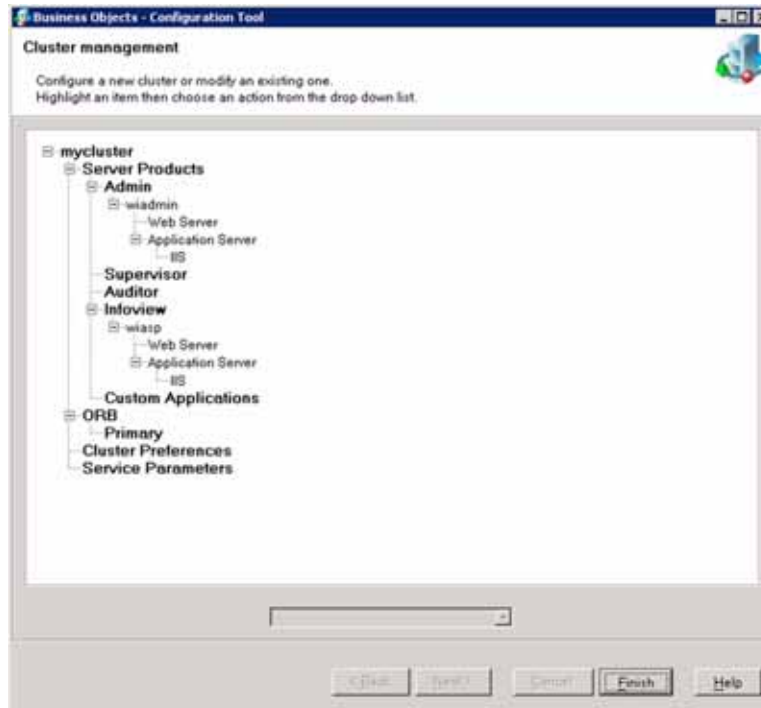
Once the configuration has completed, the message **The service parameters have been successfully configured** displays.



- 19 Click **OK** to close the pop-up box.

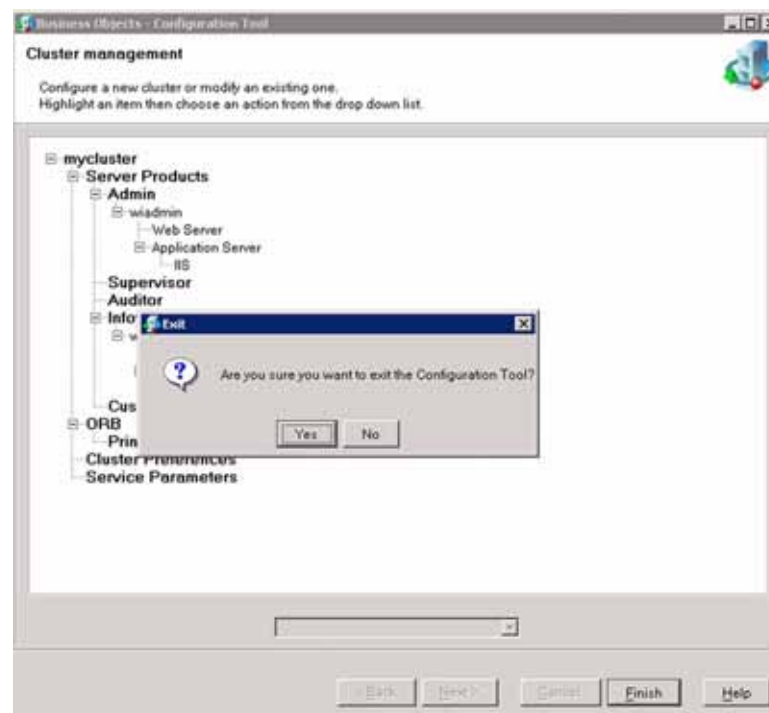
- 20 Click **Next**.

The **Cluster Management** screen displays.



- 21 Click **Finish**.

Once the configuration has completed, the message **Configuration was successful** displays.



- 22 Click **Yes** to close the pop-up window, and to exit the Configuration Tool.

Important Please make sure that the repository exists before performing the following steps. To upgrade the repository, please refer to [Chapter 6, “Upgrading the Repository from 5.1.9 to 6.5.1.”](#) To create a new repository, please refer to [Chapter 7, “Building the Business Objects Repository.”](#)

Adding a snap-in

If BusinessObjects 6.5.1 is run with Windows 2003 Server, **and** IIS version 6 is used, the following steps are mandatory or Infoview will not open due to improved security in IIS version 6.

- Add a snap-in for IIS
- Enable the parent path
- Set certain system environmental variables

To add a snap-in for IIS on Windows 2003 Server

- 1 Open a DOS command prompt.
- 2 Type **mmc**, and then press **Return**.
The **Console** window displays.
- 3 From the Console menu, select **Add/Remove Snap-in**.
The **Add/Remove Snap-in** dialog box displays.
- 4 Click **Add**.
The **Add Standalone Snap-in** dialog box displays.
- 5 Highlight **Internet Information Service**, and then click **Add**.
Internet Information Service displays in the list in the **Add/Remove Snap-in** dialog box.
- 6 Click **OK**.
- 7 On the left panel of the Console window, highlight **Web Service Extensions**.
Expand the various levels of the tree if the **Web Service Extension** does not display.
- 8 On the right panel, switch Active Server Pages to **Allowed**.
- 9 Close the **Console** window.

Enabling the parent path

To enable the parent path

- 1 Open the IIS Console.
- 2 In the left panel, under the default Web site: Point to **wiasp**, right-click, and select **Properties**.
The **wiasp Properties** dialog box displays.
- 3 On the **Virtual Directory** tab, click **Configuration**. (If the button is disabled, click **Create**, and then click **Configuration**.)
The **Application Configuration** dialog box displays.
- 4 Click the **App Options** tab.
- 5 Select the **Enable Parent Paths** check box.
- 6 Click **OK** twice, and then close the IIS Console.

Setting System Environmental variables

To set system environment variables

- 1 Click **Start**, **Settings**, and then **Control Panel**.
- 2 Click **System**, click the **Advanced** tab, and then click **Environment Variables**.

- Set the following system environmental variables:
 - Point BO_TRACE_CONFIGFILE to the file BO_trace.ini
 - Point BO_TRACE_LOGDIR to the folder containing BO_trace.ini

By default, BO_trace.ini is located in <\$INSTALLDIR>\bin\scripts\preconf\

Note \$INSTALLDIR is equal to C:\Program Files\Business Objects\Business Objects 6\.

Restarting the server

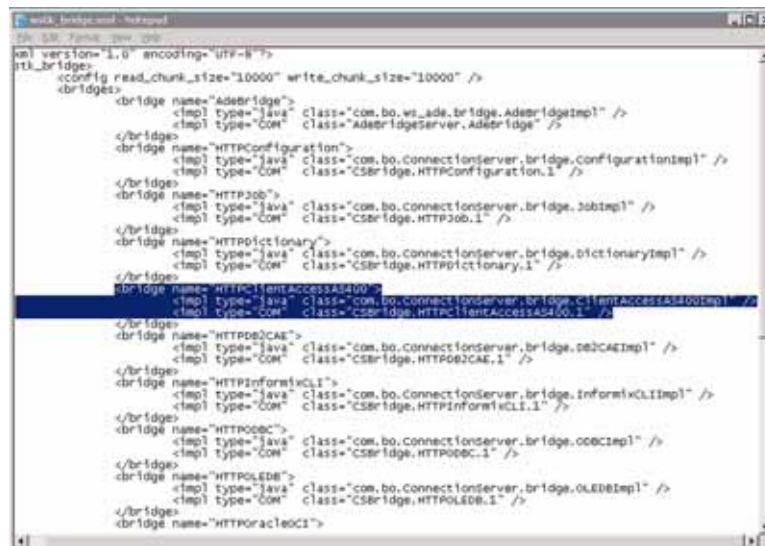
- After the above steps are completed, restart the Windows 2003 Server
Once you restart the server, the WEBI server starts and the icon displays on the Task Manager.
- Once security configuration is completed, check to see if WEBI is working.
- Open an Internet Explorer browser window and type this address <http://localhost/wiasp> or <http://<ipaddress>/wiasp>

Downloading Zabo to the Client's PC

- To change default settings, open the wstk_bridge.xml in text edit (Notepad) application.

Note Before modifying the .xml file, right-click the file, select **Properties**, and unselect the **Read-Only** box under **Attributes** on the **General** tab.

The document displays.



The path is C:\Program Files\Business Objects\Business Objects Enterprise6\bin\scripts.

- Modify the HTTPClientAccessAS400 tag to read as **HTTPClientAccessAS400**.

Note Please make sure that you modify the above tag changing Acces to Access. You must change all THREE entries.

- Save changes to wstk_bridge.xml file.
- Exit the text editor (Notepad) application.



Chapter 6

Upgrading the Repository from 5.1.9 to 6.5.1

Note If you are upgrading your repository from 5.1.9 to 6.5.1, then please skip Chapters 7-10. If you are installing Business Objects for the first time, please skip Chapter 6 and proceed directly to [Chapter 7, “Building the Business Objects Repository.”](#)

Important If you are not sure how to upgrade your repository, please contact CGC Support at: 1-800-952-2002 option # 4.

This procedure includes the following steps:

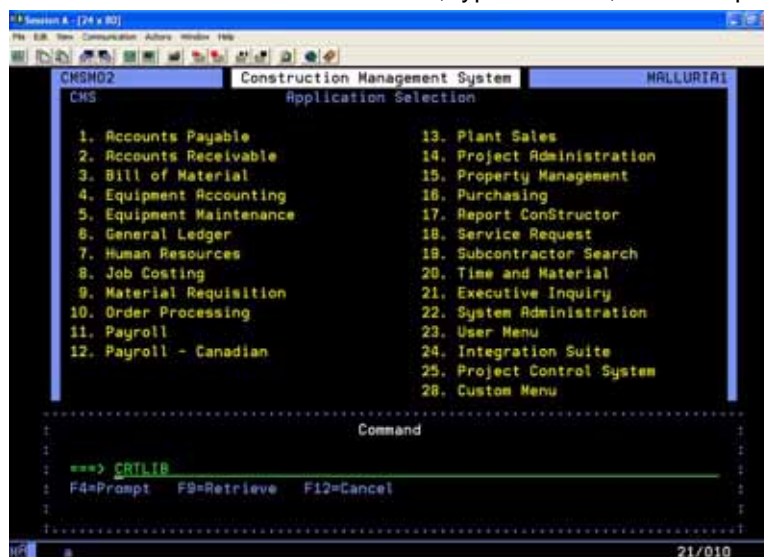
- Copying up the repository
- Installing Supervisor Version 6.5.1
- Creating a new key file (Windows)
- Upgrading the duplicate repository

Copying up the Repository

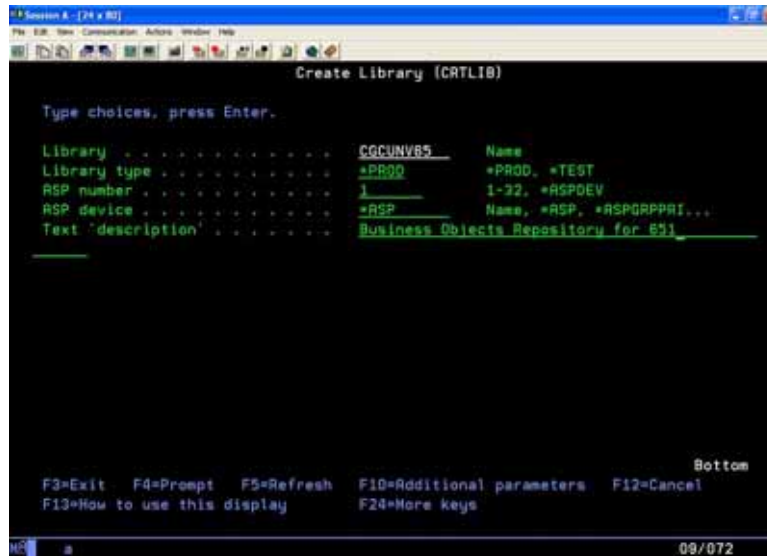
To ensure the security of your data, copy the repository by using the procedures below. Business Objects recommends that you do a scan and repair beforehand, and that you perform the copy offline.

To copy the repository

- 1 From an AS/400 CMS command line, type **CRTLIB**, and then press **ENTER**.



The **Create Library** screen displays.



2 On the **Create Library** screen, perform the following:

a In the **Library** field, type **CGCUNV65**.

Note Do not enter an asterisk in front of the library name.

b In the **Library Type** field, enter ***PROD**.

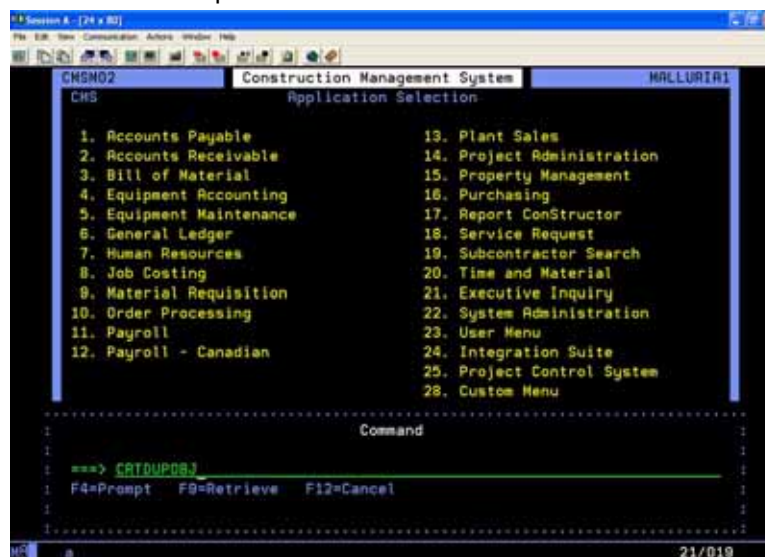
c In the **ASP number** field, type **1**.

d In the **ASP device** field, type ***ASP**.

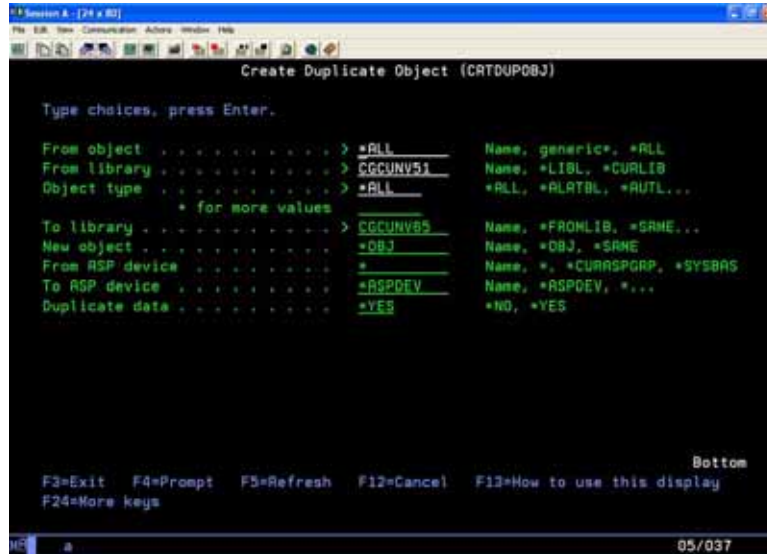
e In the Text description field, type **Business Objects Repository for 651**.

3 Press **Enter**.

4 After the CGCUNV65 library has been created, return to a CMS command line and type **CRTDUPOBJ** and press **Enter**.



The **Create Duplicate Object** screen displays.



5 On the **Create Duplicate Object** screen, perform the following:

- a In the **From object** field, type ***ALL**.
- a In the **From library** field, type **CGCUNV51**.

Note Do not enter an asterisk in front of the library name.

- b In the **Object type**, enter ***ALL**.
- c In the **To Library** field, enter **CGCUNV65**.

6 Press **Enter**.

- d In the **New object** field, type ***OBJ**.
- e In the **From ASP device** field, type ***ASPDEV**.
- f In the **Duplicate data** field, type ***YES**.

7 Press **Enter**.

8 Exit the AS/400 session.

Installing Supervisor version 6.5.1 on a Windows machine

A version 6.5.1 Supervisor and a 5.x Supervisor can function on the same machine.

However:

6.5.1 Supervisor cannot function on a 5.x repository, and 5.x Supervisor cannot function on a 6.5.1 repository

Creating a new key file (Windows)

Create a new key file for version 6.5.1

- 1 On the Windows **Start** menu, point to **Programs**, select **Business Objects 6.5.1**, and then click **Supervisor**.

The **User Identification** dialog box displays.

- 2 Click **Admin**.

The **Administration Setup Wizard - Welcome** window appears.

- 3 On the **Administration Setup Wizard - Welcome** window, click **Begin**.

The **Choose Setup Configuration** window opens.

- 4 On the **Choose Setup Configuration** window, select **Run a Safe Recovery**, and then click **Next**.

- 5 On the Define the Repository Connection page, select the network layer, and then click **Setup**.

- 6 In the dialog box that appears, verify that the **Login** tab is selected. Then:

- a Enter a user name and password for access to the database in which the repository's security domain was copied.
- b Select a data source or enter the path name of the database.
- c Select the physical location in which the key file will be created.

Note The option you select determines how the file is distributed to Business Objects users. This can be either:

- in the default shared folder on the network, shData
- OR
- in \$INSTALLDIR\locData, so that each user has a local copy

A message appears confirming that the key file was created.

- 7 Exit the wizard.

Upgrading the duplicate repository

Upgrade the duplicate repository that you created earlier in this phase.

To upgrade the duplicate repository

- 1 Launch Supervisor 5.1.9 and click **Admin** to run the Administration Setup Wizard.

Important Do *not* use Supervisor 6.5.

- 2 Select **Run a safe recovery** and create a new BOMAIN.KEY that points to the duplicate repository.
- 3 Log in to Supervisor 5.1.9 using a general supervisor profile.
- 4 In the Repository Management dialog box (Tools > Repository), redefine the repository connection for each universe and document domain to point to the duplicate repository.
- 5 Exit Supervisor 5.1.9
- 6 Launch Supervisor **6.5** and click **Admin** to run the Administration Setup Wizard.

- 7 Select **Run a safe recovery** and create a new BOMAIN.KEY that points to the duplicate repository.
- 8 Log into Supervisor 6.5 using a general supervisor profile.
Supervisor automatically detects the version 5.1.9 repository and asks whether you want to upgrade the repository to 6.5.
- 9 Click **Yes**.

Copying the Bomain Key

To copy the bomain key

- After the server has been configured, copy the Bomain key to the server system or create a new one, if the Bomain key does not exist. Once the Bomain key is created, copy the key from the default locdata folder (C:\Program Files\Business Objects\BusinessObjects Enterprise 6\locdata), to the following folder location also:

```
C:\Program Files\Business Objects\BusinessObjects Enterprise  
6\nodes\bo\mycluster\locdata Security settings for Windows 2003 Server
```



Chapter 7

Building the Business Objects Repository

Before Building the Business Objects Repository, you need to Create an Empty Repository on the AS/400.

Creating an Empty Repository on the AS/400

Follow the procedure below to create the empty repository to which users will connect.

To create the AS/400 Business Objects Repository

- 1 In an AS/400 session, on the **Sign On** screen, in the **User** field, type the user name required to access the AS/400.
- 2 In the **Password** field, type the password required to access the AS/400, and then press **Enter**.

The **AS/400 Main Menu** screen appears.

```
Session A - [24 x 80]
File Edit View Communication Actions Window Help

MAIN OS/400 Main Menu System: S1003A2D

Select one of the following:

  1. User tasks
  2. Office tasks
  4. Files, libraries, and folders
  6. Communications
  8. Problem handling
  9. Display a menu
 10. Information Assistant options
 11. Client Access/488 tasks
 90. Sign off

Selection or command
==>

F3=Exit F4=Prompt F9=Retrieve F12=Cancel F13=Information Assistant
F23=Set initial menu
(C) COPYRIGHT IBM CORP. 1980, 2000.
20/007
Connected to remote server/host S1003A2D using port 23
\\PRESCOTT|prt03 on 10.1.1.60-PR03
```

- 3 On the **AS/400 Main Menu** screen, on the command line, type **CRTLIB CGCUNV65**, and then press **Enter**.
- 4 Leave the AS/400 session open, and continue to ["Building the Business Objects Repository"](#) on page 47.

To Build the Business Objects Repository

- 1 On the Windows **Start** menu, point to **Programs**, select **Business Objects 6.5.1**, and then click **Supervisor**.

The **User Identification** dialog box appears.



- 2 The **User Identification** dialog box, perform the following:
 - a In the **User Name** box, type **GENERAL**.
You must type GENERAL exactly as it appears here in uppercase letters.
 - b In the **Password** box, type **SUPERVISOR**.
You must type SUPERVISOR exactly as it appears here in uppercase letters.
 - c Click **Admin**.

Note If you have already installed Business Objects and upgraded Client Access, or changed connections, you should perform a safe recovery.

The **Administration Setup Wizard - Welcome** window appears.



- 3 On the **Administration Setup Wizard - Welcome** window, click **Begin**.

The **Choose Setup Configuration** window opens.



- 4 On the **Choose Setup Configuration** window, select **Run a default installation**, and then click **Next**.

Note If you are performing an **upgrade**, select **Run a safe recovery**, click **Next**, and then skip step five. Proceed directly to step six, [page 50](#).

The **Define the General Supervisor** window opens.



- 5 On the **Define the General Supervisor** window, perform the following:
 - a In the **Supervisor Name** box, type **BACKDOOR**.
You must type BACKDOOR exactly as it appears here in uppercase letters.
 - b In the **Supervisor Password** box, type **backdoor**.
You must type backdoor exactly as it appears here in lowercase letters.
 - c In the **Company Name** box, enter the company name.
 - d Click **Next**.

Note If you are performing a safe recovery, you **will not** see this dialog box.

The **Define the Repository Connection** window opens.

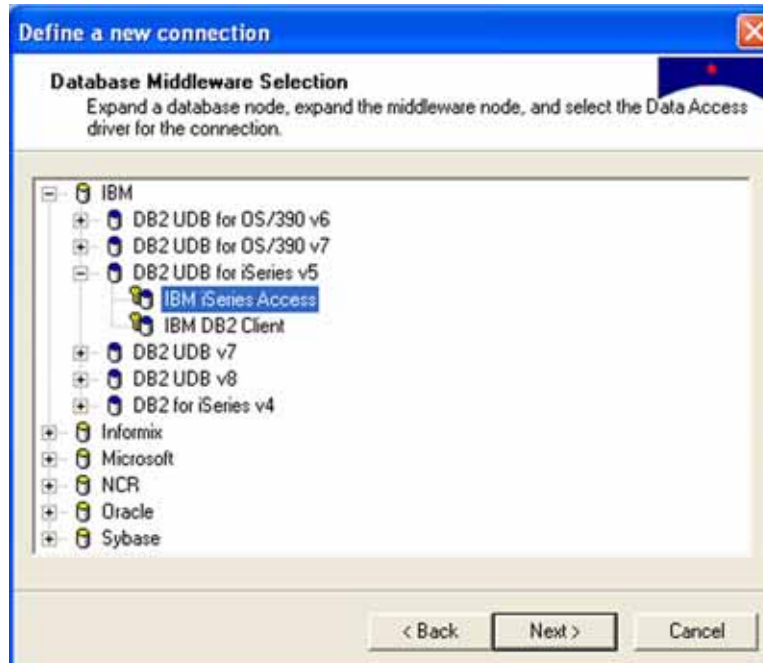


- 6 On the **Define the Repository Connection** window, click **Setup**. The **Connection Wizard** dialog box opens.



- 7 Click **Next**.

The **Database Middleware Selection** window displays.



- 8 Select **IBM iSeries Access** and click **Next**.

The **Login Parameters** screen displays.



- 9 On the **Login Parameters** dialog box, perform the following:
 - a In the **User name** box, enter the AS/400 administrator user name.
 - b In the **Password** box, enter the AS/400 administrator password.
 - c In the **Alias** drop-down list, select **Repository**.

- 10 Click **Next**.

The **Perform a test** screen displays.

The screenshot shows the 'Define a new connection' dialog box with the 'Perform a test' tab selected. The title bar reads 'Define a new connection'. Below the title bar, the tab is labeled 'Perform a test' with a sub-header 'A connection can now be created. You can perform a test to verify the data source server.' The main area contains the following information: 'You want to create the following connection', 'Connection Name : Repository Connection', 'Alias: Repository', 'Connection Type : Secured', and 'Database Engine : DB2 UDB for iSeries v5'. There is a 'Test connection' button. Below this, it says 'To test the connection, click on the button'. A list box shows 'BusinessObjects Configuration : Version : 6.5.01', 'Network Layer : Client Access AS400', 'DBMS Engine : DB2 UDB for iSeries v5', and 'Language : en'. To the right of the list box is an information icon and the text 'The server is responding!'. At the bottom are '< Back', 'Next >', and 'Cancel' buttons.

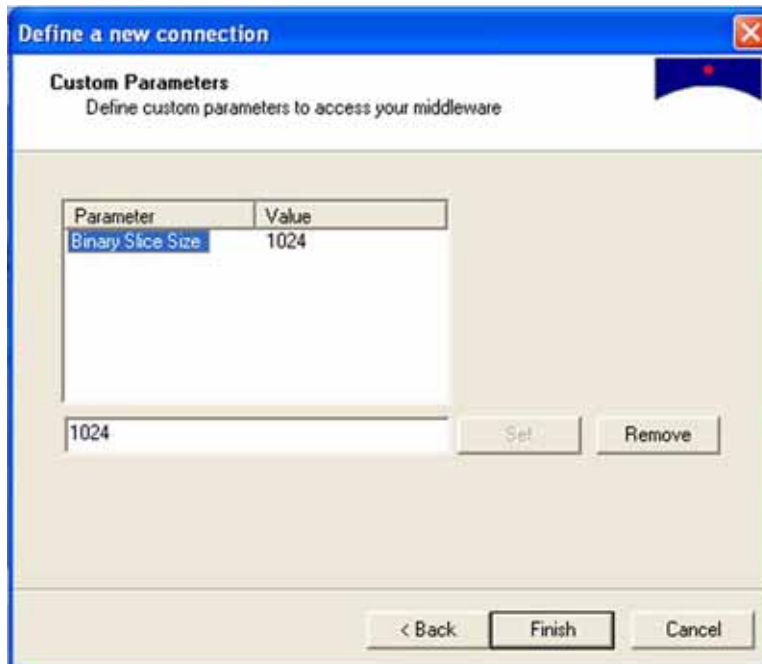
- 11 Click **Test connection**, and when **The server is responding!** message appears, click **Next**.

The **Advanced Parameters** screen displays.

The screenshot shows the 'Define a new connection' dialog box with the 'Advanced Parameters' tab selected. The title bar reads 'Define a new connection'. Below the title bar, the tab is labeled 'Advanced Parameters' with a sub-header 'Define advanced parameters to access your middleware'. The main area contains the following information: 'Define the advanced parameters to access your IBM DB2 database server using DB2 Connect or Client Access'. There are three radio buttons: 'Disconnect after each transaction' (selected), 'Keep the connection active for 10 minutes', and 'Keep the connection active during the whole session (local mode only)'. Below these are input fields for 'Array fetch size: 10', 'Array bind size: 5', 'Login timeout: 600', 'Owner name:', and 'Table suffix:'. At the bottom are '< Back', 'Next >', and 'Cancel' buttons.

- 12 On the Advanced Parameters screen, perform the following:
- a Select **Disconnect** after each transaction.

- 13 Accept the other default parameters by clicking **Next**.
The **Custom Parameters** screen opens.

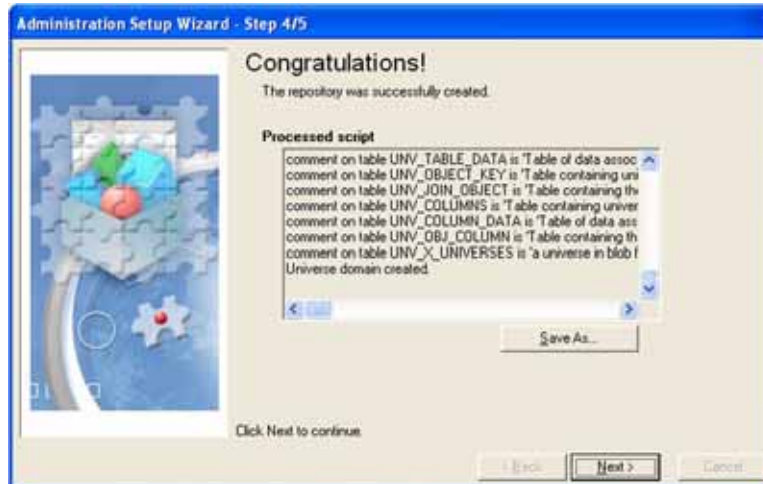


- 14 Click **Finish**
The **Build the Repository** window appears..



- 15 Click **Next**.

The **Congratulations** window appears after the scripts are processed..



16 Click **Next**.

In the remaining steps, you will create the BOMain Key.

The **Repository Access** window opens.



17 On the **Repository Access** window, perform the following:

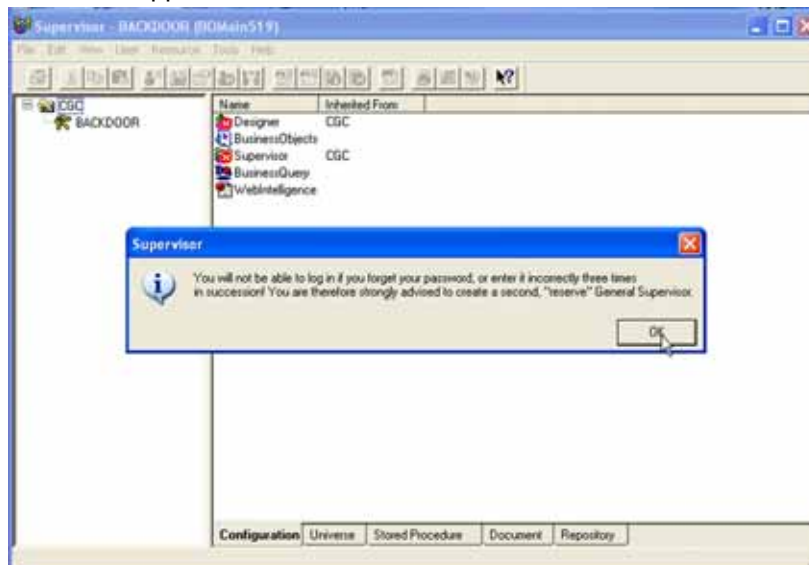
- a Select **In the LocData subfolder of the Business Objects folder**.
- b Accept the default key file **BOMain**.
- c Click **Next**.

The **Repository Access Complete** window appears.



18 On the **Repository Access Complete** window, click **Finish**.

19 Close the application.



Copying the Bomain Key

To copy the bomain key

- After the server has been configured, copy the Bomain key to the server system or create a new one, if the Bomain key does not exist. Once the Bomain key is created, copy the key from the default locdata folder (C:\Program Files\Business Objects\BusinessObjects Enterprise 6\locdata), to the following folder location also:

C:\Program Files\Business Objects\BusinessObjects Enterprise
6\nodes\bo\mycluster\locdata Security settings for Windows 2003 Server

Granting Object Authority to the Repository

- 1 From an AS/400 session command line, type **GRTOBJAUT CGCUNV65**, and then press **ENTER** to grant object authority to the new library.

The **Grant Authority** screen appears.

```

Grant Object Authority (GRTOBJAUT)

Type choices, press Enter.

Object ..... > *ALL      Name, generic*, *ALL
Library ..... CGCUNV65    Name, *LIBL, *CURLIB, *ALL...
Object type ..... *ALL    *ALL, *ALRTBL, *BNDDIR...
ASP device ..... *        Name, *, *SYSSAS
Users ..... *PUBLIC      Name, *PUBLIC
+ for more values
Authority ..... *CHANGE   *CHANGE, *ALL, *USE...
+ for more values
Authorization list .....  Name, *NONE
Reference object .....    Name
Library ..... *LIBL       Name, *LIBL, *CURLIB
Reference object type ..... *OBJTYPE *OBJTYPE, *ALRTBL, *BNDDIR...
Reference ASP device ..... *    Name, *, *SYSSAS
Replace authority ..... *NO    *NO, *YES

Bottom
F3=Exit  F4=Prompt  F5=Refresh  F12=Cancel  F13=How to use this display
F24=More keys
Parameter OBJTYPE required.
  
```

- 2 On the **Grant Authority** screen, perform the following:

- a In the **Object** field, type ***ALL**.
- b In the **Library** field, type **CGCUNV65**

Note Do not enter an asterisk in front of the library name.

- c In the **Object Type** field, enter ***ALL**.
- d In the **Users** field, type ***PUBLIC**.
- e In the **Authority** field, type ***CHANGE**.
- f Leave the **Authorization List** and **Reference Object Type** fields blank.
- g In the **Library** field, type ***LIBL**.
- h In the **Reference Object Type** field, type ***OBJTYPE**.
- i In the **Replace Authority** field, type ***NO**.
- j Press **Enter**.

- 3 Exit the AS/400 session.



Chapter 8

Setting Up General and New Users in Supervisor

A Business Objects Administrator is set up using the General Supervisor Profile in Supervisor. All other users are set up with the Supervisor profile.

As a general rule, you should create a secondary (backup) General Supervisor profile in the Supervisor application. This way, in the event that your regular General Supervisor profile becomes disabled or corrupt, you can use the backup General Supervisor profile to log in with administrative rights.

To set up the secondary General Supervisor profile

- 1 On the **Windows Start** menu, point to **Programs**, point to **Business Objects 6.5.1**, and then click **Supervisor**.

The **User Identification** dialog box appears.



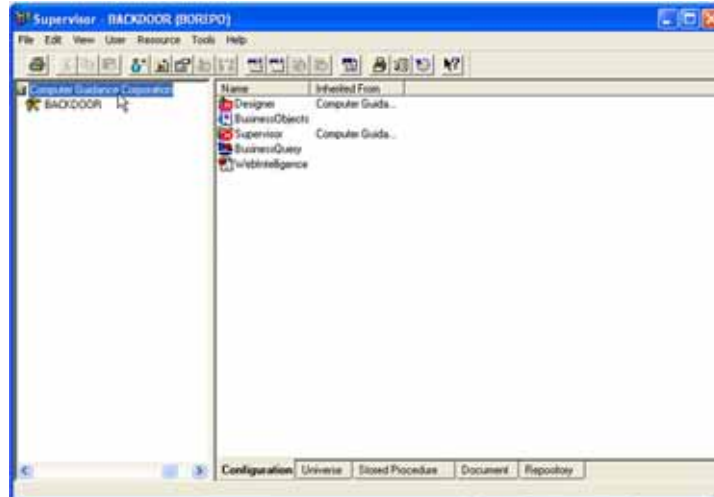
- 2 The **User Identification** dialog box, perform the following:
 - a In the **User Name** box, type **BACKDOOR**.
You must type BACKDOOR exactly as it appears here in uppercase letters.
 - b In the **Password** box, type **backdoor**.
You must type backdoor exactly as it appears here in lowercase letters.
 - c Click **OK**.

The **Supervisor** message box appears.

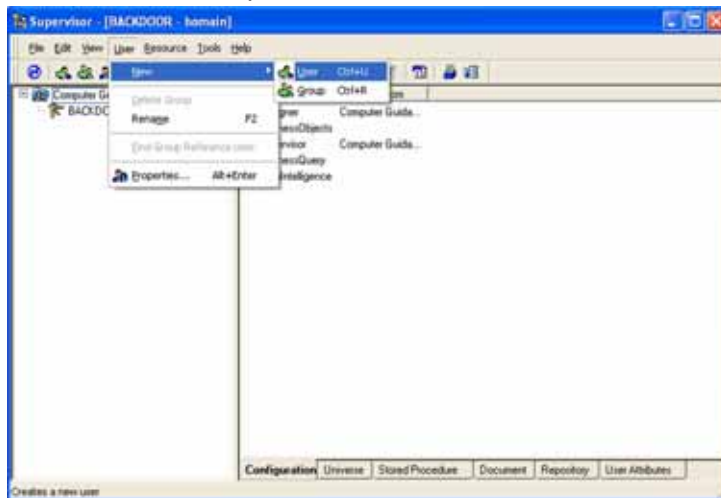


- 3 Click **OK**.

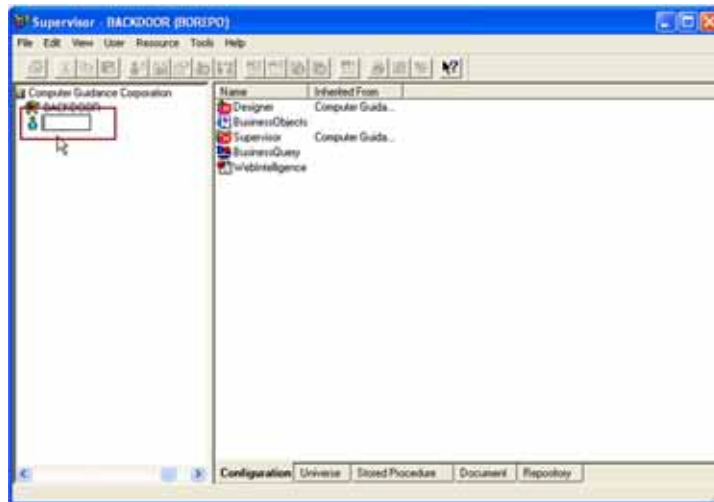
The Supervisor Backdoor window opens.



- 4 On the **User** menu, point to **New**, and then click **User**.



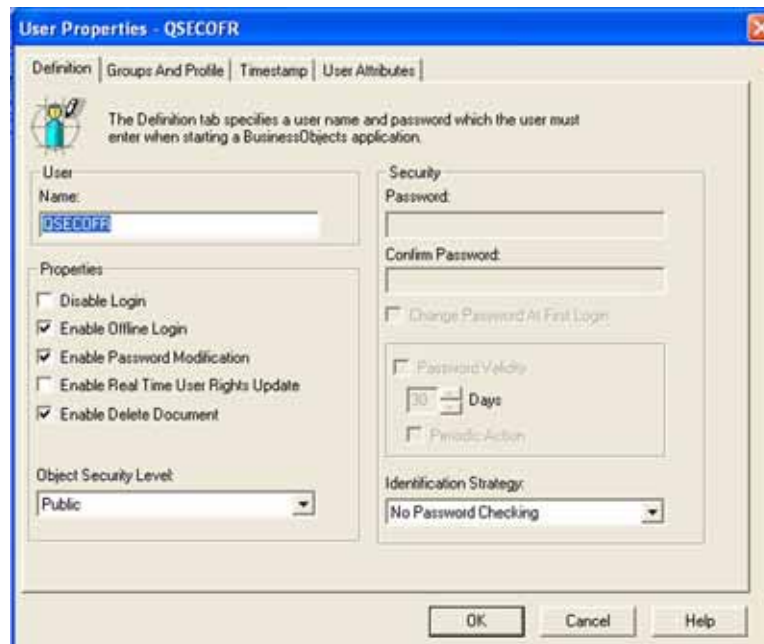
The column on the left side of the window displays a user icon and positions the cursor for entry of the user ID.



- 5 Enter the Business Objects Administrator User ID.

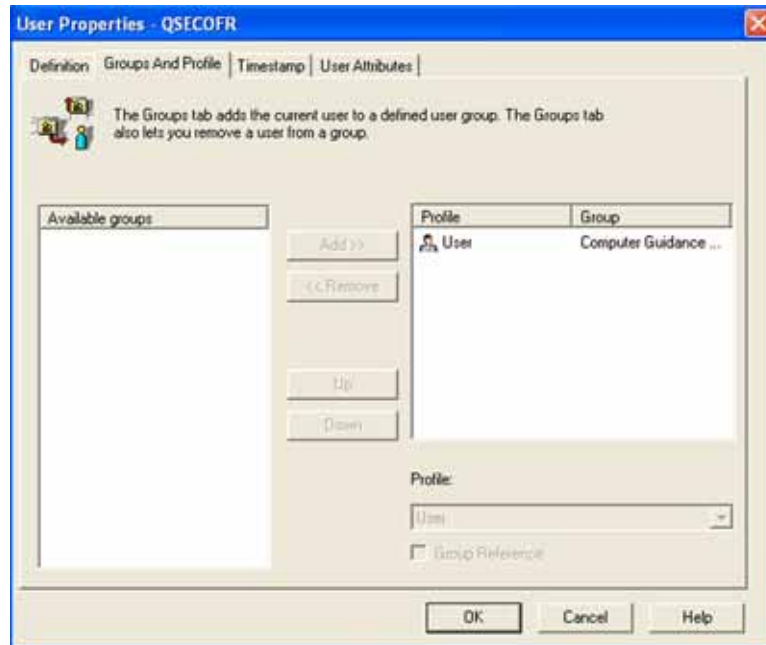
Note This ID **must** match the user ID set up in CMS AS/400 Security.

- 6 Press **Enter**.
 - 7 Right-click the new user name, and then select **Properties**.
- The User Properties window displays.



- 8 On the **User Properties** dialog box, on the **General** tab, perform the following:
 - a Verify the user name is correct.
 - b Verify that the following options are selected: **Enable Offline Login**, **Enable Password Modification** and **Enable Delete Documentation** properties.

- c Do not enter a password.
- d In the **Identification Strategy** drop-down list, select **No Password Checking**.
- e Select other options listed per your company specifications.
- f Click the **Groups and Profiles** tab.



- 9 On the **Groups and Profile** tab, perform the following:
 - a From the **Profile** section of the screen, select the User that you wish to modify.
Once you select the desired User, the Profile drop-down list becomes active.
 - a In the **Profile** drop-down list, select the General Supervisor to assign Business Objects Administration access rights.
 - b Click **OK**.
The Business Objects Administrator with the General Supervisor profile is now available.
- 10 Repeat the process to add additional users giving them the appropriate security levels, based on the information listed below.

The security levels include:

- **General Supervisor**
Can create or modify the repository architecture and can perform any task in Business Objects.
- **Supervisor**
Has responsibility for daily administrative tasks including creating and managing user logins, assigning documents to users, and moving users between various information and configuration groups.
- **Supervisor Designer**
Manages Universe distribution, universe configuration on a user or group basis, and manages designers.
- **User**
Can access user modules within Business Objects.
- **Versatile**
Can access modules defined by a supervisor.



Chapter 9

Creating a Secured Connection to CMSFIL

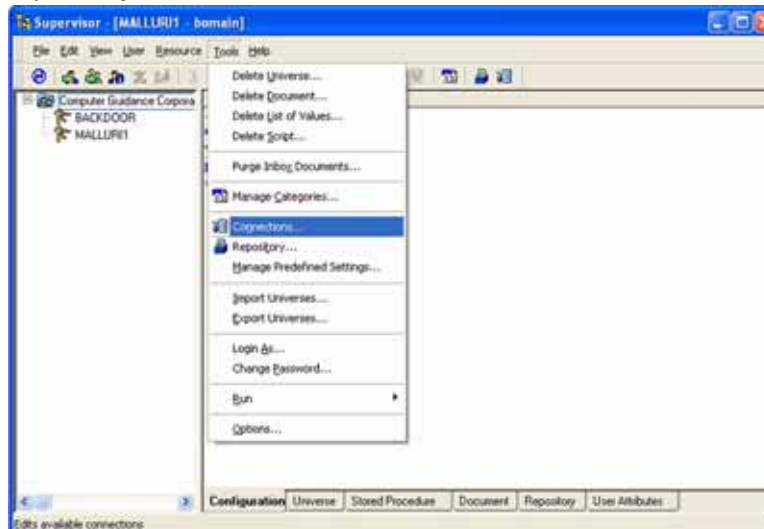
Before you can install universes, you must create a connection to CMSFIL, which is explained below.

Creating a Connection to CMSFIL

You only need to create the connection to CMSFIL if it does not already exist. If you are not sure if it already exists, perform step 1 below.

To create the connection to CMSFIL

1 Open **Supervisor**



2 Select **Tools**

3 Select **Connections**.

- 4 In **Supervisor**, on the **Tools** menu, click **Connections**.

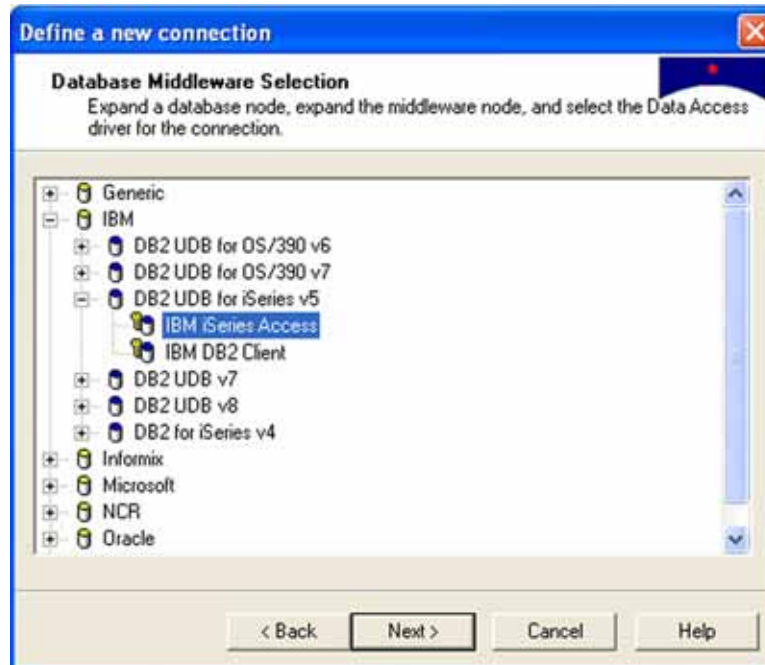


- 5 Click **Add**.
The **Connections** Wizard displays.



- 6 Click **Next**.

The **Define a New Connection** screen displays.



- 7 Click the **+** sign next to **IBM** to open the list of available drivers. The IBM list expands. From the expanded list, click the **+** sign next to **DB2 UDB for iSeries v5** to expand that list, and then select **IBM iSeries Access**.
- 8 Click **Next**.

The **Login Parameters** screen displays.

Define a new connection

Login Parameters
Define the login parameters to access your middleware

Type: Secured

Name: CMSFIL

User name:

☒ Use BusinessObjects username and password

Password:

Alias: CMSFIL

< Back Next > Cancel Help

- 9 In the **Login Parameters** dialog box, perform the following:
 - a In the **Type** drop-down list, select **Secured**.
 - b In the **Name** text box, type **CMSFIL**.
 - c Select **Use BusinessObjects user name and password**.
 - d In the **Alias** drop-down list, select **CMSFIL**.
- 10 Click **Next**.

The **Perform a Test** screen displays.

The screenshot shows the 'Define a new connection' dialog box with the 'Perform a test' tab selected. The dialog has a blue title bar and a red 'X' button in the top right corner. The main content area is light beige. At the top, it says 'Perform a test' and 'A connection can now be created. You can perform a test to verify the data source server.' Below this, it says 'You want to create the following connection'. The connection details are: Connection Name: CMSFIL, Alias: GLX\FIL343A, Connection Type: Secured, Database Engine: DB2 UDB for iSeries v5. To the right of these details is a red circle around a 'Test connection' button. Below the details, it says 'To test the connection, click on the button'. There is a list box for 'BusinessObjects Configuration' with the following text: Version: 6.5.01, Network Layer: Client Access AS400, DBMS Engine: DB2 UDB for iSeries v5, Language: en. To the right of the list box is an information icon (a blue circle with a white 'i') and the text 'The server is responding!'. At the bottom of the dialog are four buttons: '< Back', 'Next >', 'Cancel', and 'Help'.

11 Click **Test connection**.

12 When you receive the message **The server is responding**, click **Next**.

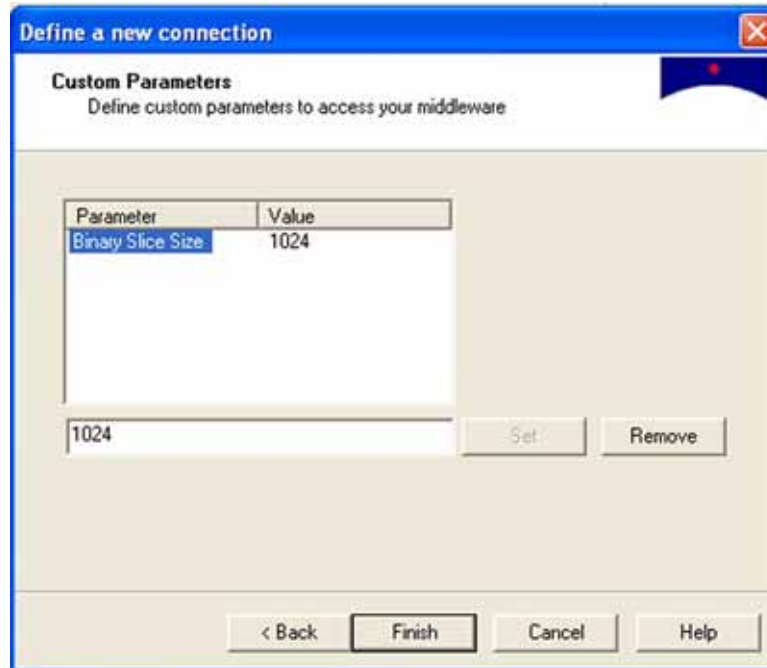
The **Advanced Parameters** screen displays.

The screenshot shows the 'Define a new connection' dialog box with the 'Advanced Parameters' tab selected. The dialog has a blue title bar and a red 'X' button in the top right corner. The main content area is light beige. At the top, it says 'Advanced Parameters' and 'Define advanced parameters to access your middleware'. Below this, it says 'Define the advanced parameters to access your IBM DB2 database server using DB2 Connect or Client Access'. There are three radio buttons: 'Disconnect after each transaction' (selected), 'Keep the connection active for' (with a spin box set to 10 and the text 'minutes'), and 'Keep the connection active during the whole session (local mode only)'. Below the radio buttons are three spin boxes: 'Array fetch size' (set to 10), 'Array bind size' (set to 5), and 'Login timeout' (set to 600). At the bottom of the dialog are four buttons: '< Back', 'Next >', 'Cancel', and 'Help'.

13 Select **Disconnect after each transaction**.

14 Click **Next**.

The **Custom Parameters** screen displays.



- 15 Click **Finish**.

The **Connections List** displays.



- 16 Ensure that CMSFIL is listed as an available connection and click **Finish**.

- 17 Exit Supervisor.



Chapter 10

Downloading and Installing Universes

You install and update universes for Business Objects from the Computer Guidance Web site at <http://www.computer-guidance.com>.

The process of installing universes actually involves two steps

- 1 You must first download the universes from the Computer Guidance Corporation Web site ("[Downloading Universes](#)" on page 67).
- 2 Then you export the universes ("[Installing Universes](#)" on page 70).

Downloading Universes

To download universes

- 1 On the **Computer Guidance Corporation** home page, click the **Customer Login** link.
The **Login to Computer Guidance Corporation** page appears.

Computer Guidance Corporation - Construction Management Software - Microsoft Internet Explorer

CALL US TODAY 1-800-267-4557

Home | Support | Account | Customer Login

INDUSTRY SOLUTIONS | PRODUCTS | SERVICES | WHO WE ARE | BUSINESS PARTNERS | NEWS & EVENTS

Customer Login

Support Calls: 800-267-4557

BusObj customer support: busobj@computer-guidance.com

Login To Computer Guidance Corporation

Please enter your username and password. The username can be your customer number and the password is your zip code (only the last 5 characters). Once you have logged in you will be given the option to change your contact information including your username and password.

Username/Customer Number:

Password/Zip Code:

Remember me? ☐ (Check the box for next)

If you are a new user of the website or you have forgotten your login information please go to the [New User/Password Request](#) page. This is the fastest way to get your login information.

Please do not call technical support for login information.

[Click here to obtain a lost username and/or password.](#)

New Users [Click Here](#)

- 2 On the **Login to Computer Guidance Corporation** page, perform the following:
 - a In the **Username/Customer Number** box, enter the BusObj customer number.
 - b In the **Password/Zip Code** box, enter the Zip code.
 - c Click **Login**.

The **Login Successful** screen displays.



- 3 To access the Customer Page, click **Click Here to go to the Customer Page**. The **Customer Center** page appears.



- a Scroll to the **Products Update** dialog box.

On the **Customer Center** page, when you scroll down, the universes are listed with the last date they were updated.

- 4 On the **Business Intelligence Support** page, click the appropriate universe you want to download.

Note You can download universes only for the modules purchased.

The **Customer Universe** page opens.



- 5 On the **Customer Universe** page, perform the following:
 - a Review the information.
 - b Double-click the Customer Universe you wish to download.
 - c In the **File Download** dialog box that appears, select **Save this program to disk**, and then click **OK**.
 - d In the **Save As** dialog box that opens, navigate to the **Universe** folder under **Business Objects**, and then click **Save**.

A progress indicator window opens showing the files being copied.

For example, save each universe to C:\Documents and Settings\<username>\Application Data\Business Objects\Business Objects 6.5.1\Universes.
 - e Unzip the downloaded file.
 - f Repeat steps 3 through 5 for each universe.

Once saved to the Universe folder, you need to export each universe one at a time.

Although you can select all the universes and it appears they were successfully exported, only the first universe actually exports if you select more than one to be exported.
- 6 Continue to "[Installing Universes](#)" on page 70.

Installing Universes

- 1 If Supervisor is not already open, on the **Start** menu, point to **Programs**, point to **Business Objects 6.5.1**, and then click **Supervisor**.

The **User Identification** dialog box appears.



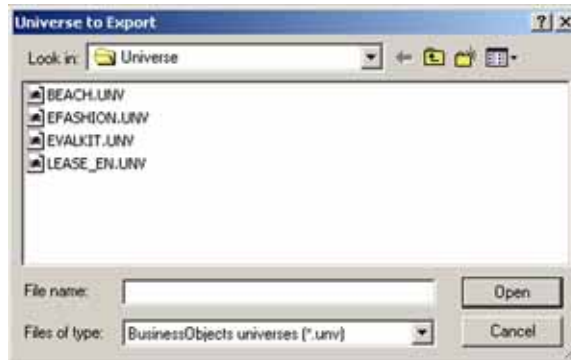
- 2 In the **User Identification** dialog box, perform the following:
 - a In the **User Name** box, enter a valid Supervisor user name.
 - b In the **Password** box, enter a valid Supervisor password, and then click **OK**.
- 3 On the **Supervisor** window, on the **Tools** menu, click **Export Universes**.

The **Export Universe** dialog box opens.

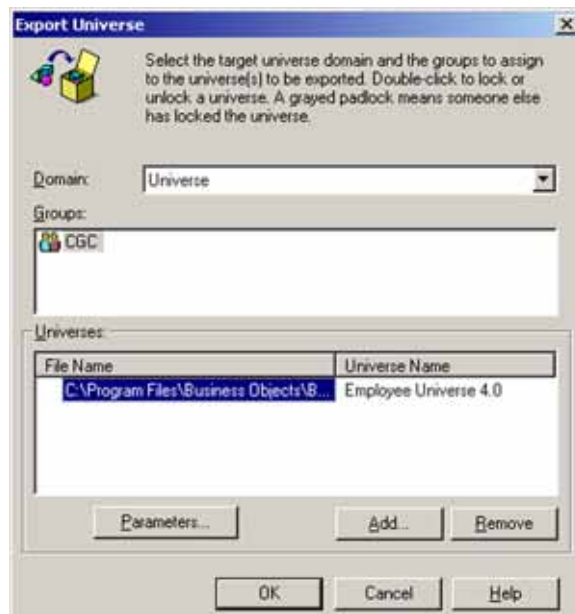


- 4 In the **Export Universe** dialog box, click **Add**.

The **Universe to Export** dialog box opens.

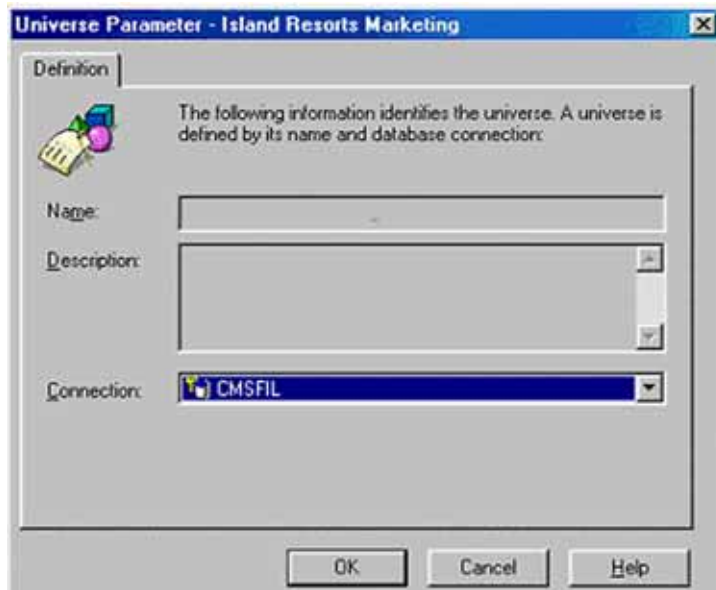


- 5 In the **Universe to Export** dialog box, select the Universe to export, and then click **Open**. The **Export Universe** dialog box opens.



- 6 In the **Export Universe** dialog box, click **Parameters**.

The Universe Parameter dialog box opens.



- 7 On the **Universe Parameter** dialog box, in the **Connection** drop-down list, select the CMSFIL connection, and then click **OK**.

In the example above, the default connection is CMSFIL.