KABA MAS

Cencon® 4.1.5 Getting Started Guide

Kaba Mas Welcome

Kaba Mas, part of the world-wide Kaba group, is the world's leading manufacturer and supplier of high security, electronic safe locks. Its complete line of self powered, battery, and mechanical locks meets virtually every safe lock requirement. Kaba Mas is dedicated to satisfying end-user needs for security, safety, and convenience. We welcome you to the world of Kaba Mas security and Cencon®.

Manual Conventions

Trademarks

Release Notes

Table Of Contents

The Cencon® 4.1.5 Program Package
System Requirements
Installation Scenarios and Required Processes
Before Installing the Cencon Software
Software Installation and Setup
- ODBC Connection Creation (Microsoft SQL)
- ODBC Connection Creation (Oracle)
- Database User Permissions (Microsoft SQL)
- Database User Permissions (Oracle)
- Set Up New Database (Microsoft SQL)
- Set Up New Database (Oracle)
- Update Database
- Maintenance of Database
- Reporting on Database

Start the Cencon Program
Logon to the Cencon System
- Main Screen
- Status Bar

Prepare System for Operation
For Upgrade to New Version of Cencon
For New Install of Cencon
Remove Previous Cencon Program
Beta Expiration

© 1996-2013 Kaba Mas LLC

Manual Conventions

This Cencon Getting Started Guide contains information on the installation and set up of the hardware and software required to manage Cencon users and locks. Some conventions that are followed are:

- The Smart Keys needed for a particular operation will be shown beside the flowcharts that describe the operation.
- Input to the PC will be shown in **bold type**.
- The screen samples may not look exactly as they do on your system depending on which version of the Windows operating system you are using. Some samples in this document are from Windows XP and some are from Windows Vista.
- Highlighted items:

Note

Indicates a point to consider.

Important Note

Indicates information that is very important to know.

Helpful Hint

Indicates a technique or method that works well.

Caution

Indicates the need for care and caution to be observed during a procedure or process.

Warning

Indicates the possibility of loss of data or system integrity.

Before reading the Cencon Getting Started Guide, you should be familiar with basic Windows concepts and techniques. For detailed information, refer to your Windows documentation.

© 1996-2013 Kaba Mas LLC
Document Number 2070.127 Rev. G 02/13 Cencon® 4.1.5 Getting Started Guide

Trademarks

The following items are trademarks or registered trademarks of Kaba Mas in the United States and/or other countries.

- Cencon System 2000
- Cencon
- PowerStar Technology
- Smart Key

Adobe and Adobe Reader are registered trademarks of Adobe Systems Incorporated in the United States and/or other countries.

iButton is a registered trademark of Dallas Semiconductor.

Microsoft, Windows, Windows Server are registered trademarks or trademarks of Microsoft Corporation in the United States and/or other countries.

Notice: The information in this manual is subject to change without notice and does not represent a commitment on the part of Kaba Mas. Kaba Mas shall not be liable for technical or editorial errors or omissions contained herein; nor for incidental or consequential damages resulting from the furnishing, performance or use of this material.

© 1996-2013 Kaba Mas LLC
Document Number 2070.127 Rev. G 02/13 Cencon® 4.1.5 Getting Started Guide

Cencon® 4.1.5 Getting Started Guide

Cencon Database Setup Utility Release Notes

Version 4.1.5

Changes / New Features

- Added support for using an Oracle database management system to host a Cencon database. Added support for Oracle to require only a limited access logon. Database access to Oracle no longer supports a separate schema, by customer request. The ODBC database access to Oracle must be using a default schema that contains the Cencon database.
- Updated warning for database version. SQL Server 2008 R2 and higher or Oracle 10g and higher is supported. Older database versions are not supported.
- The User must be database server admin to run CenconDBSetupUtility against Microsoft SQL.
- Added various user interface enhancements and additional data checking.
- Windows logon Userids are folded to upper case.
- Empty routes are deleted.
- Remove duplicate regions.
- Duplicate Userids are deleted.
- Added additional reporting of DBMS driver and operating system.
- Added primary key to legacy configuration database table for support of hot database backups.
- Added primary key to log archive database table for support of hot database backups.

Fixed Issues

- Removed usage / support for NCrypt encryption library due to compatibility requirement back to Windows Server 2003. This limits the self signed certificate creation to older encryption libraries, which is not as secure. The requirement to continue to support Windows Server 2003 was by customer request.
- Updated Centran Configuration Manager to open Centran browser URL for management interface based on certificate name set.
- Corrected CenconDBSetupUtility not properly handling non default schema for Microsoft SQL database.
- Change table names used in uppercasing Windows logon IDs in CenconDBSetupUtility to include schema qualification as appropriate for database.

© 1996-2013 Kaba Mas LLC

Cencon® 4.1.5 Getting Started Guide

The Cencon® 4.1.5 Software Package

The following items are required to implement the Cencon® 4.1.5 Software:

- Cencon® 4.1.5 Server License Kit: (Single Server Option - p/n 201190.)
  - Install source (DVD, USB drive, or download)
    - Cencon® 4.1.5 Software (32/64 Bit)
    - Cencon Driver Installer (32/64 Bit)
    - Cencon Database Setup Utility (32/64 Bit)
    - Getting Started Guide (HTML/PDF)
    - Software Reference Manual (HTML/PDF)
    - Cencon® 4.1.5 Software Maintenance and Support Agreement (HTML/PDF/DOCX)
  - Cencon® 4.1.5 Single Server License Certificate
  - Software Getting Started Guide
  - Quick Reference Cards (1 set)
  - Cencon Software Maintenance & Support (CSM&S) Agreement Form
  - 1 Change Key
  - 7 Cencon Smart Keys:
    - 2 red SA Keys
    - 3 black Logon Keys
    - 1 white Clock Set Key (for Gen2 locks)
    - 1 grey ReSync Key (for Gen2 locks)
- Mode Authorization License(s) (One or more)
  - Bank Mode (p/n 201191). Includes 2 green B keys.
  - FLM Mode (p/n 201192). Includes 2 blue F keys.
  - Route Mode (p/n 201193). Includes 2 yellow R keys.
- Cencon® 4.1.5 Installation Key (p/n 202202) - Orange key programmed for installation. Uniquely coded and tagged per company. Packaged and shipped separately for security reasons.
- Cencon® 4.1.5 Dispatch Kit: (p/n 201181)
  - Cencon USB Key Box - Uniquely coded per company.
  - USB cable

FCC Notice

CENCON KEY BOX
MODEL 202201
The Cencon Key Box is manufactured by Kaba Mas LLC, 749 W. Short Street, Lexington, KY, 40508, U.S.A., 859-253-4744, HTTP://www.kaba-mas.com. This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

An Enterprise / Multi-Server License Kit also is available - p/n 201194. This kit option includes all items in the Single Server Option and all 3 Mode Authorization Licenses shown above. A Cencon® 4.1.5 Enterprise / Multi-Server License Certificate is provided instead of the Single Server License Certificate. The Installation Key and Dispatch Kits are still required for implementation and are still ordered separately.

If you are missing any of the above items, contact Kaba Mas Technical Support at 1 (800) 950-4744.

Optional Order Items:

- Cencon® 4.1.5 Software Maintenance & Support Agreement
- Cencon On-Site Training for hands-on lock installation and complete lock and software operation.
- CenTran 4.1.5 (XML) Software (p/n 201182)

(See www.KabaMas.com/cencon4 for more information.)

System Requirements

Note

The minimum system requirements identified for Cencon must be met in addition to whatever is required for the PC operating system and the Database Management System. Please refer to the Kaba Mas web site to review the appropriate system requirements at: www.kaba-mas.com/cencon4.

Cencon System Requirements

To use the Cencon program, the following minimum hardware and software requirements must be met:

- IBM compatible PC that is capable of running Windows and has an available USB port for the Cencon Key Box.

  Note

  The Cencon Key Box requires a fully compliant USB 2.0 connection. Some computers, especially laptops and notebooks, may not provide sufficient power for the Cencon Key Box. In these cases it may be necessary to use a powered USB hub to attach the Cencon Key Box. On laptops or notebooks with “power saving” features that turn off USB power, the computer’s Operating System (OS) could disconnect from the Cencon Key Box. In this instance, after awakening the computer and Cencon® 4.1.5 software, unplug and re-plug the USB cable between the computer and the Cencon Key Box.

- 4 GB RAM
- DVD Drive if your install source is a DVD disk. The install source can be a DVD, USB drive, or download.
- Hard Disk Drive with at least 50 megabytes disk space free

Important Note

If you are upgrading from a previous version of Cencon, you should also allow ample disk space for database growth.

- Windows XP 32 bit Professional (Service Pack 3), Windows Vista 32/64 bit (SP 2), or Windows 7 32/64 bit
  - You must be logged into Windows with Admin authority
- An installed Database Management System (DBMS) - Microsoft SQL Server SQL 2008 R2 or 2012 (including the SQL Server Express, Standard, or Enterprise Editions) or Oracle 10g or higher.
  - The DBMS installation does not have to be on the same computer as Cencon. You will need to have a valid ODBC connection to the DBMS for Cencon to use.
  - The above computer requirements do not include the requirements for the DBMS. If the DBMS is being run on the same computer as Cencon, then the total requirements will be the requirements of Cencon plus those of the DBMS.
  - The requirements of the DBMS installation will vary depending on the number of locks and users being used by Cencon and the number of Cencon installations connected to that DBMS.

Note

If you do not have an existing Microsoft SQL Server database, you can download a free copy of the latest Microsoft SQL Server Express Edition from the Microsoft web site at http://www.microsoft.com/express/sql/default.aspx You should also download and install the SQL Server Management Studio.

Be sure to read the sections on system requirements and prerequisites. Contact Kaba Mas Technical Support for additional information.

Note

The Cencon database can be installed on a virtual server as long as minimum system requirements for memory and space allocation are met.

© 1996-2013 Kaba Mas LLC

Cencon® 4.1.5 Getting Started Guide

Installation Scenarios and Required Processes

There are 4 different installation scenarios under which the Cencon® 4.1.5 Software can be installed. There are unique installation processes for each of the 4 scenarios as follows:

1. New Install
    - Recommend contacting Kaba Mas to review system requirements and for database setup support.
    - Review Software Maintenance Agreement
    - Identify Company ID
    - Install Cencon USB KeyBox
    - Install Cencon USB KeyBox drivers
    - If you do not already have a database management system (DBMS), download and install Microsoft SQL Server 2012 Express and SQL Server Management Studio Express.
    - Create a Database Client ODBC connection
    - Run the Cencon® 4.1.5 CenconDBSetupUtility to set up the Database
    - Install Cencon® 4.1.5
    - Start Cencon® 4.1.5 Program and Identify Database Connection
    - Add Special Supervisor and Supervisor
    - Logon to Cencon® 4.1.5
    - Define and Add Regions (if applicable)
    - Define and add Bank Branches (if applicable)
    - Define and add Customers (if applicable)
    - Add additional users
    - Customize Authorizations
    - Activate Locks
2. Cencon Upgrade to Cencon® 4.1.5 with Data Imported from Cencon 1.5.x or lower
    - Recommend contacting Kaba Mas to review system requirements and for database setup support.
    - Review Software Maintenance Agreement
    - Record Current Authorization Levels
    - Install Cencon USB Key Box
    - Install Cencon USB Key Box drivers
    - If you do not already have a database management system (DBMS), download and install Microsoft SQL Server 2012 Express and SQL Server Management Studio Express.
    - Create a Database Client ODBC connection
    - Run the Cencon® 4.1.5 CenconDBSetupUtility to create a Database and import the existing Cencon data
    - Install Cencon® 4.1.5 Program
    - Start Cencon® 4.1.5 Program and Identify Database Connection
    - Logon to Cencon® 4.1.5 Program
    - Define and Merge Regional Databases (if applicable)
    - Define and add Bank Branches (if applicable)
    - Define and add Customers (if applicable)
    - Customize Authorization Levels
3. Cencon Upgrade from Version 2.x to 4.1.5

- Recommend contacting Kaba Mas to review system requirements and for database setup support.
- Install Cencon USB Key Box
- Install Cencon USB Key Box drivers
- Upgrade database to at least Microsoft SQL Server 2008 R2 (or 2008 R2 Express) if at a previous version
- Install Cencon® 4.1.5 Program
- Run the Cencon® 4.1.5 CenconDBSetupUtility to convert the existing database to the Cencon® 4.1.5 configuration
- Logon to Cencon® 4.1.5 Program
- Define and Merge Regional Databases (if applicable)
- Define and add Bank Branches (if applicable)
- Define and add Customers (if applicable)
- Customize Authorization Levels

4. Cencon® 4.1.5 Upgrade from Version 3.0 or 3.1
   - Recommend contacting Kaba Mas to review system requirements and for database setup support.
   - Install Cencon USB Key Box
   - Install Cencon USB Key Box drivers
   - Upgrade database to at least Microsoft SQL Server 2008 R2 (or 2008 R2 Express) if at a previous version
   - Run the Cencon® 4.1.5 CenconDBSetupUtility to convert the existing database to the Cencon® 4.1.5 configuration
   - Install Cencon® 4.1.5 Program
   - Logon to Cencon® 4.1.5 Program
   - Define and Merge Regional Databases (if applicable)
   - Define and add Bank Branches (if applicable)
   - Define and add Customers (if applicable)
   - Customize Authorization Levels

© 1996-2013 Kaba Mas LLC

Before Installing the Cencon Software

Important Note

It is required that you contact Kaba Mas Technical Support at 1(800) 950-4744 before installing or upgrading the Cencon software to review minimum system requirements and database setup (including upgrading the database from a previous version of Cencon), and to perform data validity checks on any current Cencon data.

Review Software Maintenance Agreement

A hard copy of the Cencon Software Maintenance & Support Agreement has been included in the software package. It is recommended that you review the Maintenance Agreement at this time. You also have the option to view and print the Maintenance Agreement when you install the software, and you can also review the Maintenance Agreement online at www.kaba-mas.com\cencon4.

Company ID

WARNING

Identify Company ID

During the installation process, you will be required to enter a unique four-digit Company ID. If you are a branch of a larger company, this ID must be identical to that used for all other Cencon installations by your company. YOU MUST determine what the four-digit number is before you begin the installation process. Once chosen and input into the system, you should record and secure the Company ID since the number becomes encrypted and cannot be changed.

Important Note

Locks that have been initialized in a different company's system can only be activated in your company's system after having been "shelved" in their original system.

© 1996-2013 Kaba Mas LLC

Cencon® 4.1.5 Getting Started Guide

Software Installation and Setup

Complete the following steps to install the software:

1. Logon to the PC system as a user with Local Admin (or higher) rights in order to successfully install the software.
2. Verify that your Windows operating system is at the latest service level. (See your Window's Help and Support function if you need assistance with this.)

> **Caution**
>
> Be extremely cautious in bringing the Windows operating system to the latest service level. With the release of Windows 7, running a Windows Update on a Windows Vista system will update the operating system to Windows 7.

> **Important**
>
> Always run Windows Update to ensure that your system is up to date before installing the Cencon software. The Cencon software requires the .NET 4 framework to be installed on your system. This can be automatically installed by running Windows Update. If your system is not up to date or the .NET 4 framework is not properly installed, the Cencon software will not operate correctly.

3. Check the PC Date and Time Properties (date, time, time zone, DST adjustment setting) from the Control Panel to ensure accuracy. Adjust, if necessary, before proceeding.

> **Note**
>
> It is strongly recommended that you close all other applications before installing the Cencon software. It is also recommended that you review the Cencon Reference Manual before installing the software.

4. If you have a previous version of Cencon installed, you should ensure that data has been archived in accordance with the customer archive requirements and then backup the current Cencon database.
5. If your install source is a DVD, insert the Cencon® 4.1.5 Install DVD in the appropriate drive. Your install source can be a DVD, USB drive, or download. If you have autorun enabled on your system, the Cencon® 4.1.5 Installation screen will be displayed. Otherwise, double click `Autorun.exe` from the Cencon® 4.1.5 install source (DVD, USB drive, or download) root directory, and the Cencon® 4.1.5 Installation screen will be displayed.

   The Cencon Version 4.1.5 Software Installation dialog is loaded and the Main Menu is displayed:

6. From the Main Menu, click on the Install button.
   Depending on your operating system, either the 32 or 64-bit Cencon install screen is displayed:

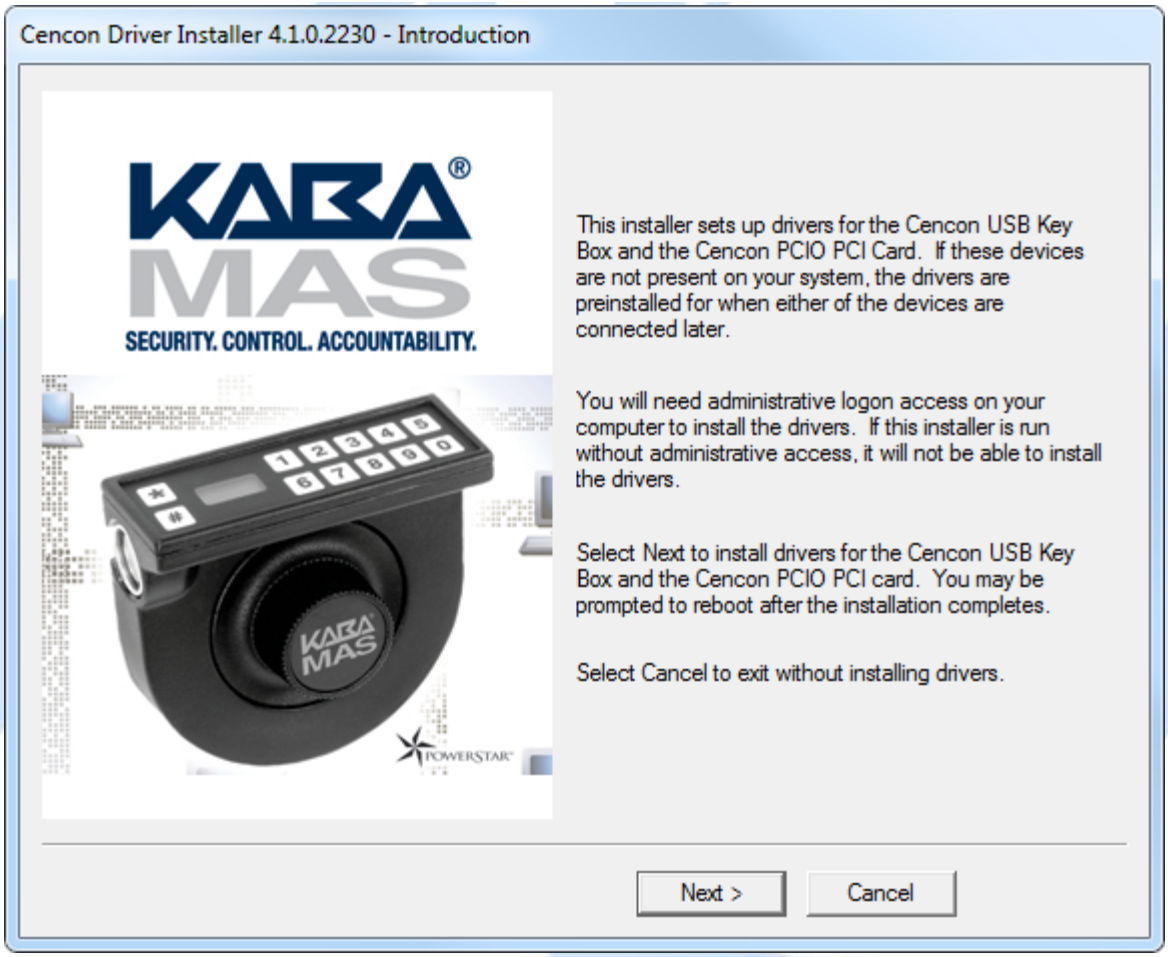
7. Install the SQL 2008 R2 ODBC Driver

First, install the SQL ODBC Driver on your system if you have not already done so. This SQL ODBC Driver is the SQL Server Native Client 10.0 driver as released with Microsoft SQL Server R2. Using the default SQL ODBC Driver available with Windows will result in slow performance. It is recommended to use the most recent SQL ODBC Driver released by Microsoft. If you have a more recent SQL installation from Microsoft than SQL Server R2, then you should use that SQL ODBC Driver. To install the provided SQL ODBC Driver released with Microsoft SQL Server R2, select the SQL ODBC Driver button.

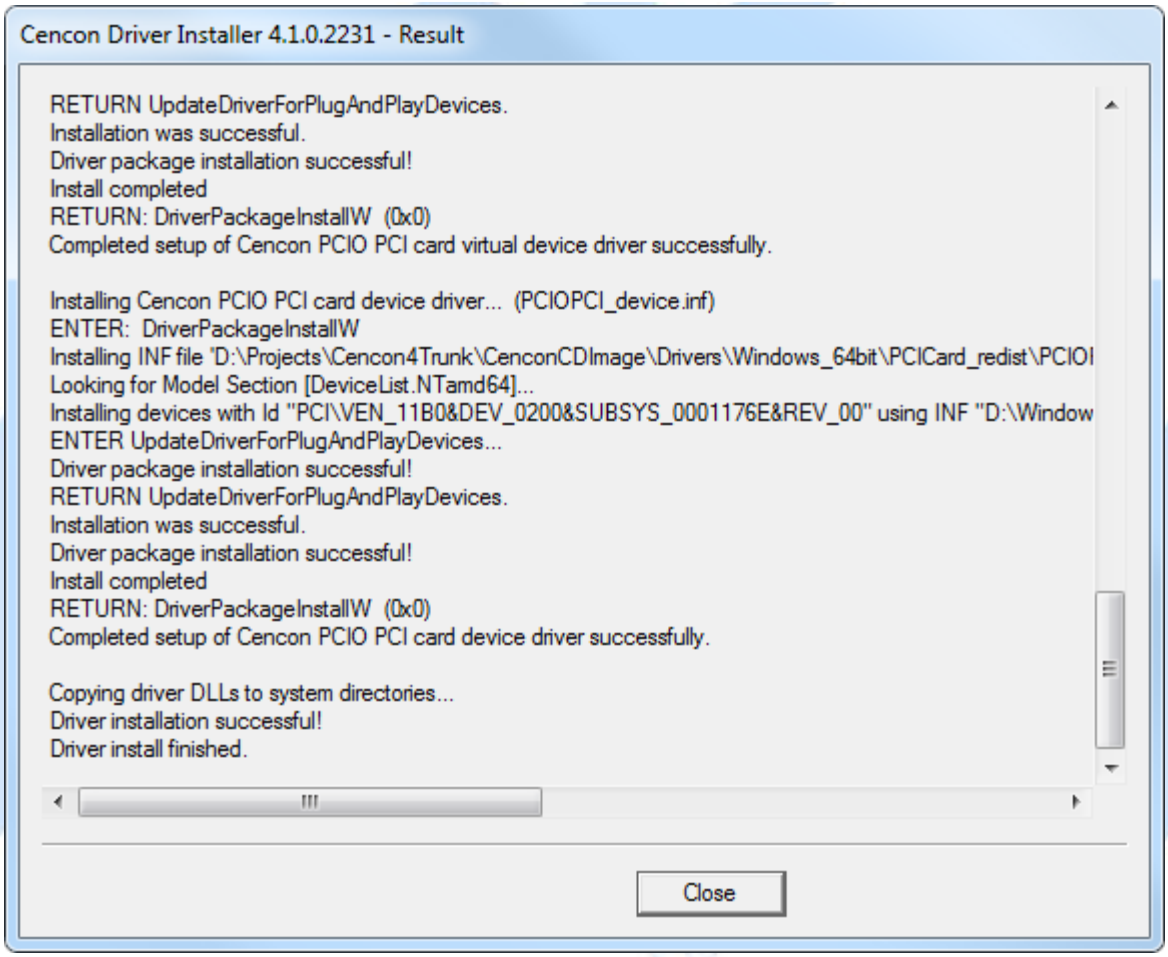
8. Install the hardware drivers

Note
Cencon® 4.1.5 only supports the Cencon Key Box.

Click the Windows Drivers button to install the appropriate hardware drivers using the Cencon driver installation utility:



The driver installation utility generates detailed status information and does not require user input. The completed driver installation display:



Operating System Root Certificate Authority Certificates

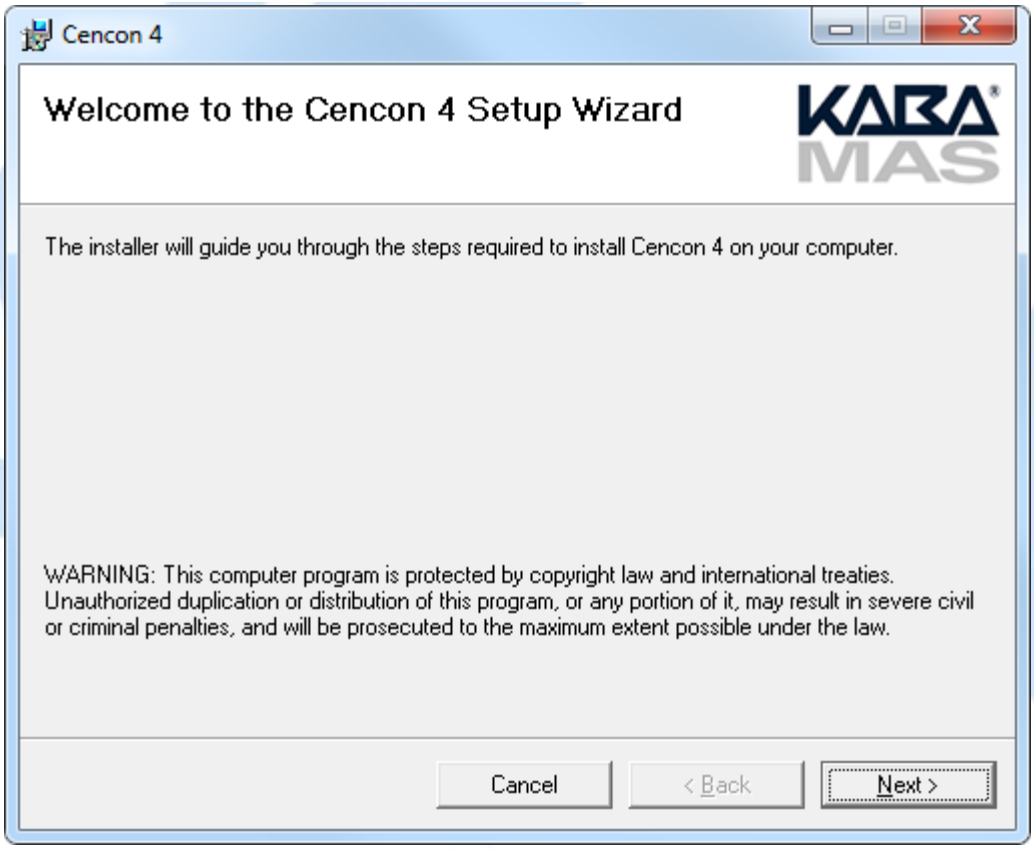
If your operating system is very old, such as Server 2003, or is not up to date with the Microsoft operating system updates, you may have to install updated operating system Root Certificate Authority Certificates for the Cencon USB Keybox driver installation to run correctly. An install of these certificates is provided in the TrustedRootCAUpdates directory on the Cencon install source (DVD, USB drive, or download).

9. Install the Cencon® 4.1.5 Program

Complete the following steps to install the software:

a. From the Install Software Menu click the Cencon button.

The Cencon® 4.1.5 Setup Wizard screen is displayed. The Setup Wizard is a Windows program that will take you through the rest of the setup process. Once completed, you will be returned to the Cencon Version 4.1.5 Install Program screen.



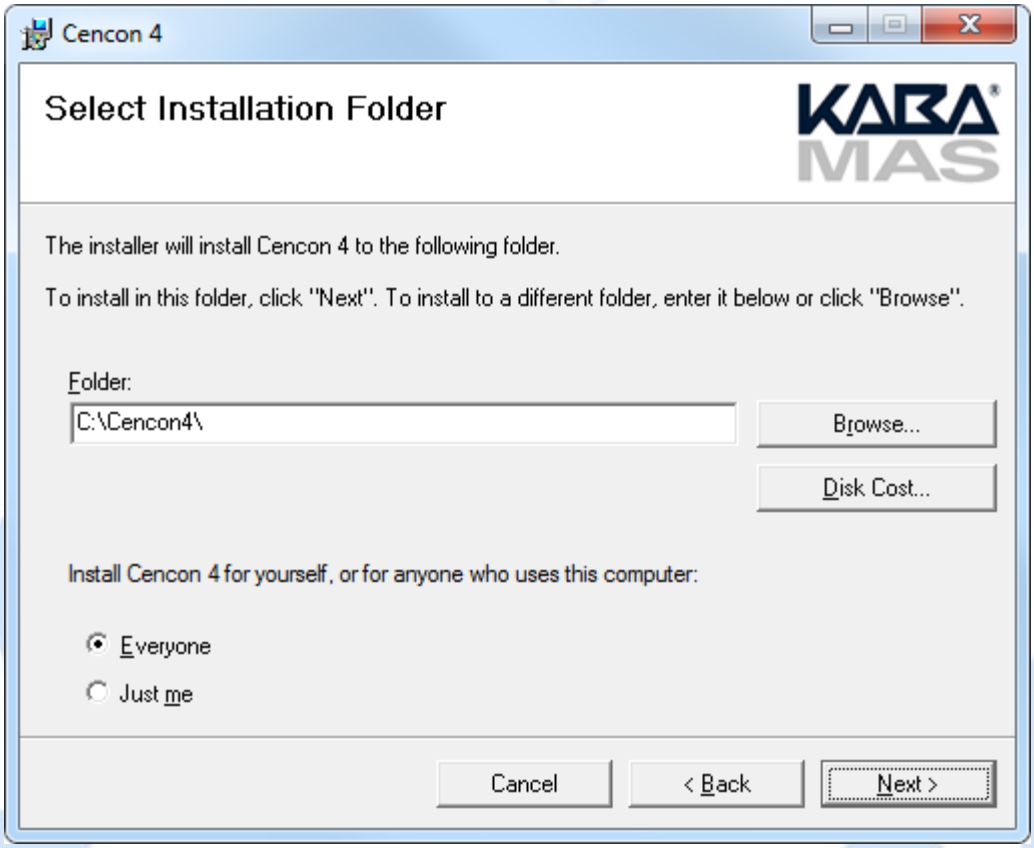
b. Click on Next > to continue with the installation.

The Software License Agreement acceptance screen is displayed.

c. Read the Software License Agreement, select "I Agree", and then click on the Next > button to continue.

The Select Installation Folder window is displayed to allow you to select the program folder to which the Cencon®

4.1.5 programs will be added.



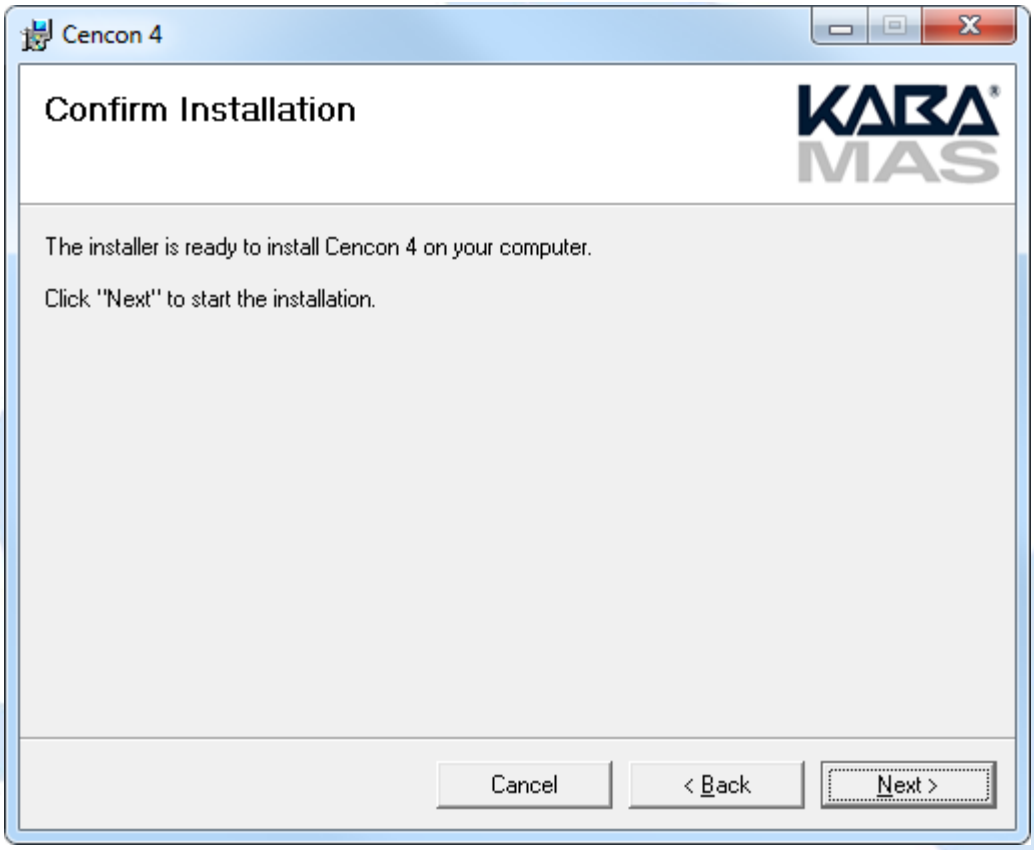
Installation Directory

The default installation directory is shown. It is recommended that you install the software to the default folder (i.e., Cencon4.) If you want the Cencon® 4.1.5 software installed in another directory, click on the Browse button and select the new path.

It is strongly recommended that you not change the installation directory to c:\Program Files on Windows Vista and above.

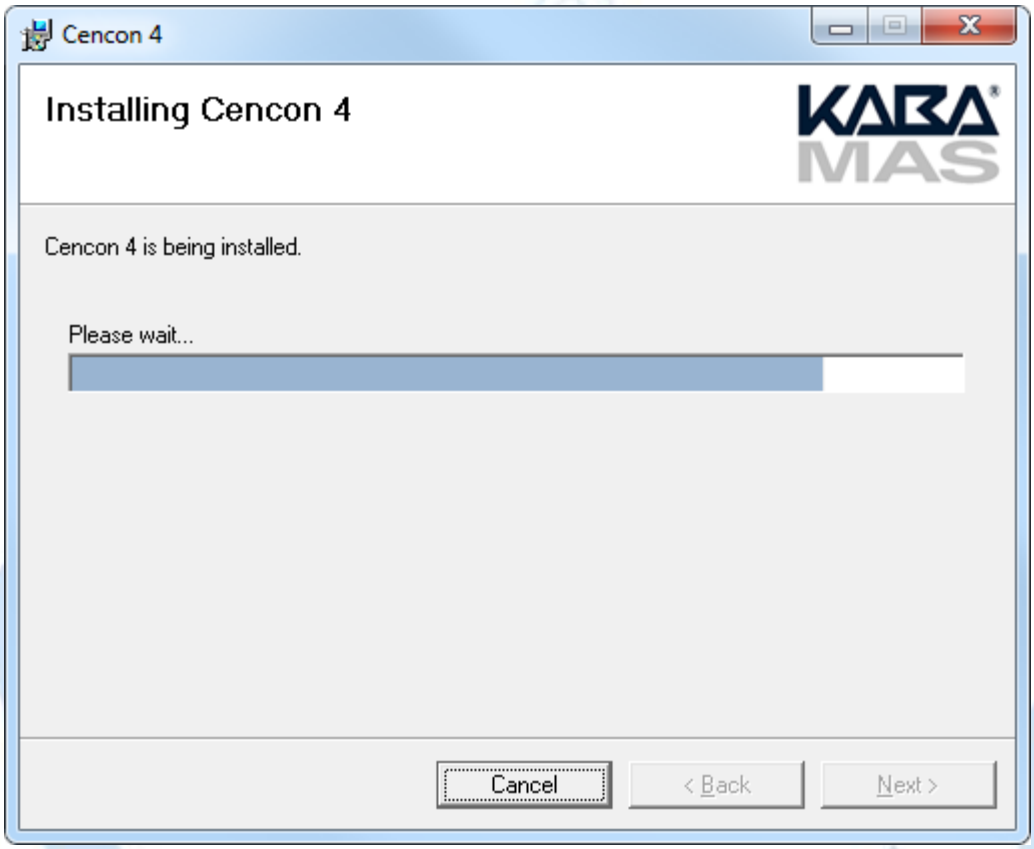
d. Click on the Next > button to add the programs to the designated folder.

The Confirm Installation screen is displayed:



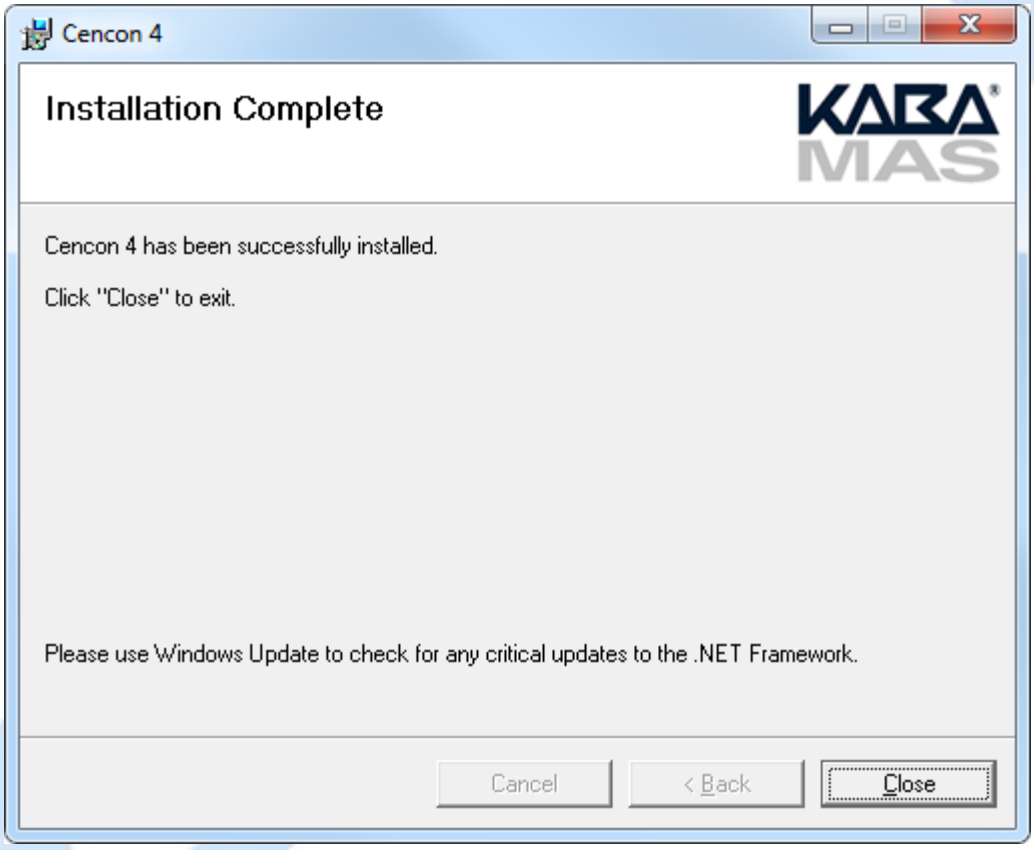
e. If there is anything you wish to change, click on the < Back button. Otherwise, click on Next > to install the program with the designated settings.

The Installing Cencon® 4.1.5 screen displays an indication of the installation progress.



f. Click on the Next > button to continue.

The Installation Complete screen is then displayed indicating that the Cencon® 4.1.5 program has been successfully installed:



g. Click on the Close button to return to the Software Install screen.

© 1996-2013 Kaba Mas LLC

ODBC Connection Creation for SQL Server

ODBC (**Open Database Connectivity**) is a standard C interface for accessing database management systems (DBMS). The designers of ODBC aimed to make it independent of database systems and operating systems. An application can use ODBC to query data from a DBMS, regardless of the operating system or DBMS it uses.

ODBC accomplishes DBMS independence by using an *ODBC driver* as a translation layer between the application and the DBMS. The application uses ODBC functions through an *ODBC driver manager* with which it is linked, and the driver passes the query to the DBMS.

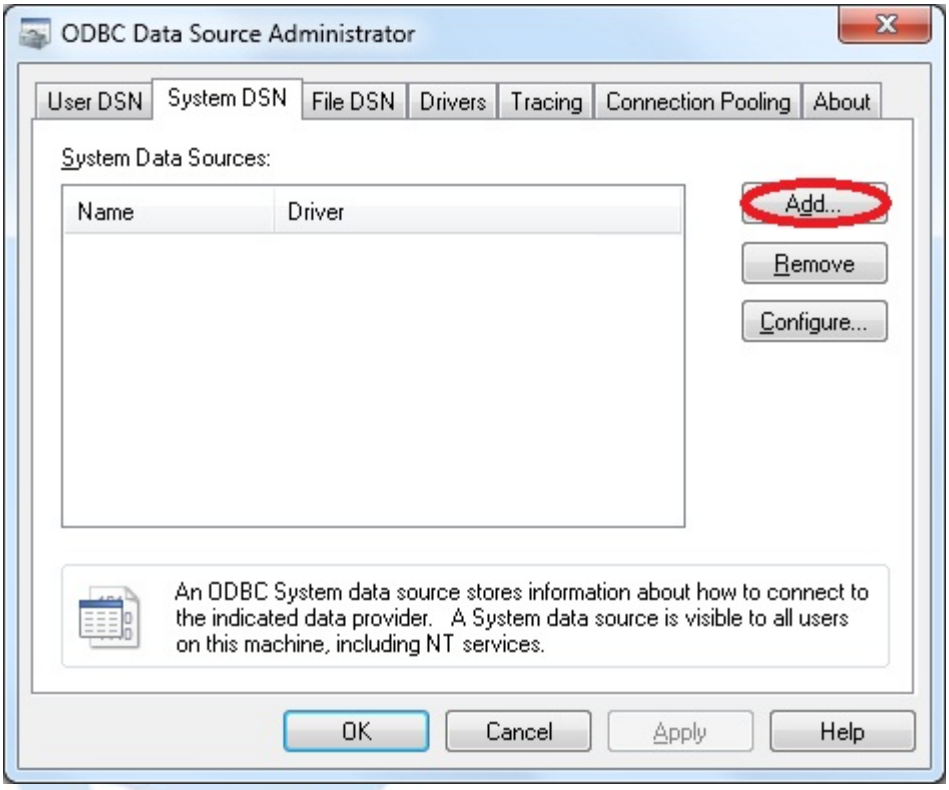
Important Note

If Creating a Cencon 4.1.5 database the ODBC can only be a System DSN and a user with SYSDBA privileges must be used to create the database.

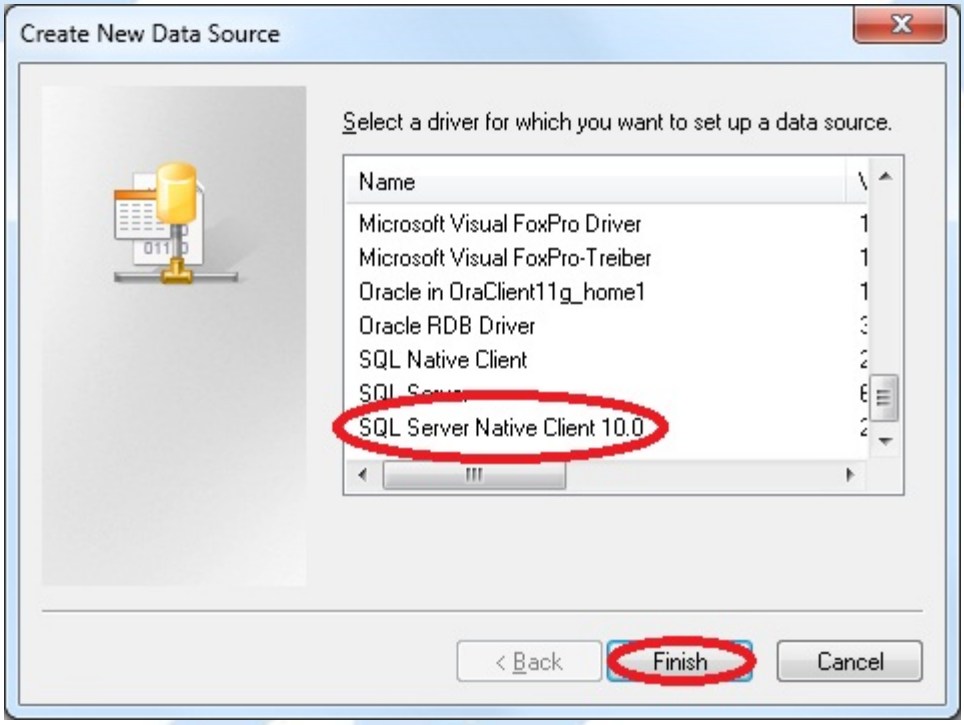
If Updating a Cencon 4.1.5 database the ODBC can only be a System DSN and a user with appropriate privileges must be used to update the database.

1. Go to control Panel/Administration Tools/Data Sources

2. Select the System DSN tab and Click Add>

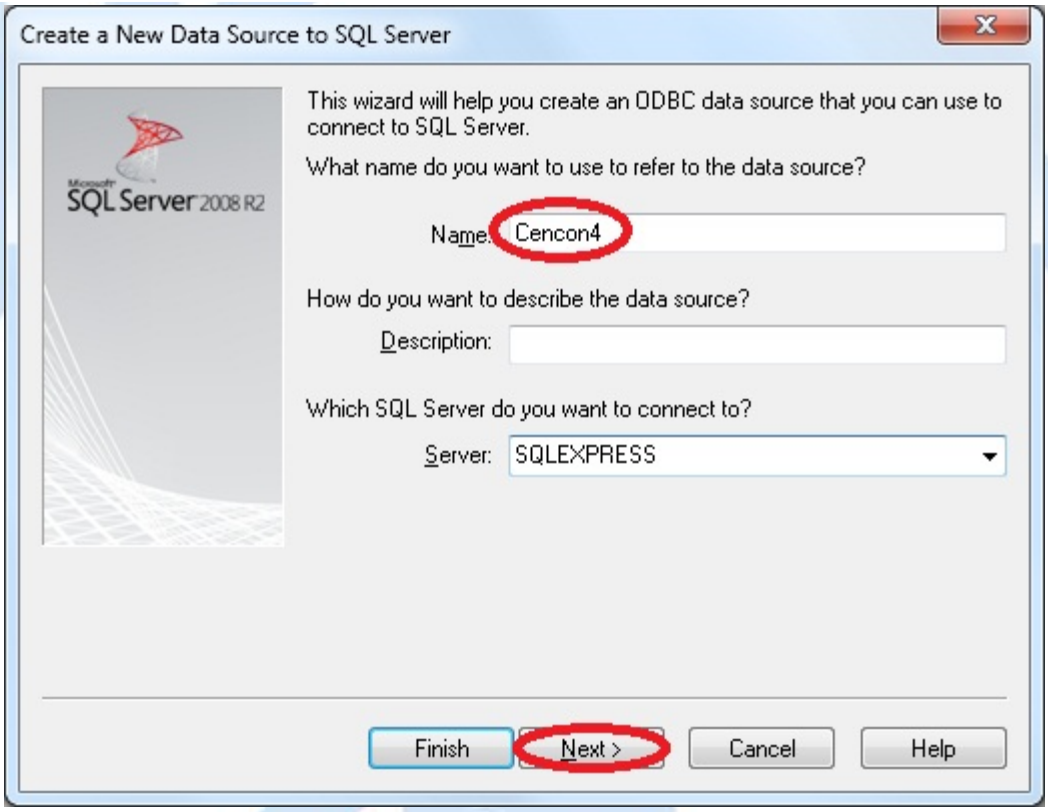


3. Select the driver and click Finish >

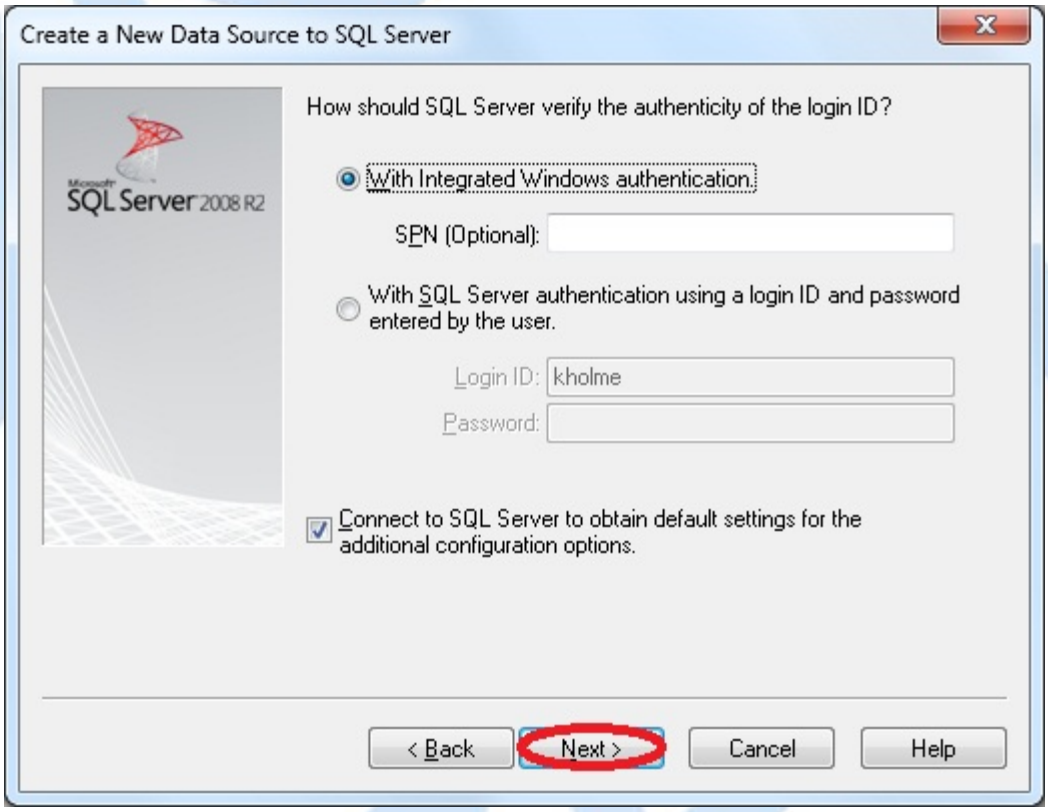


Type a name and type or use the drop down to select the server and instance

4. Click Next>



5. Click next > no information will change on this form

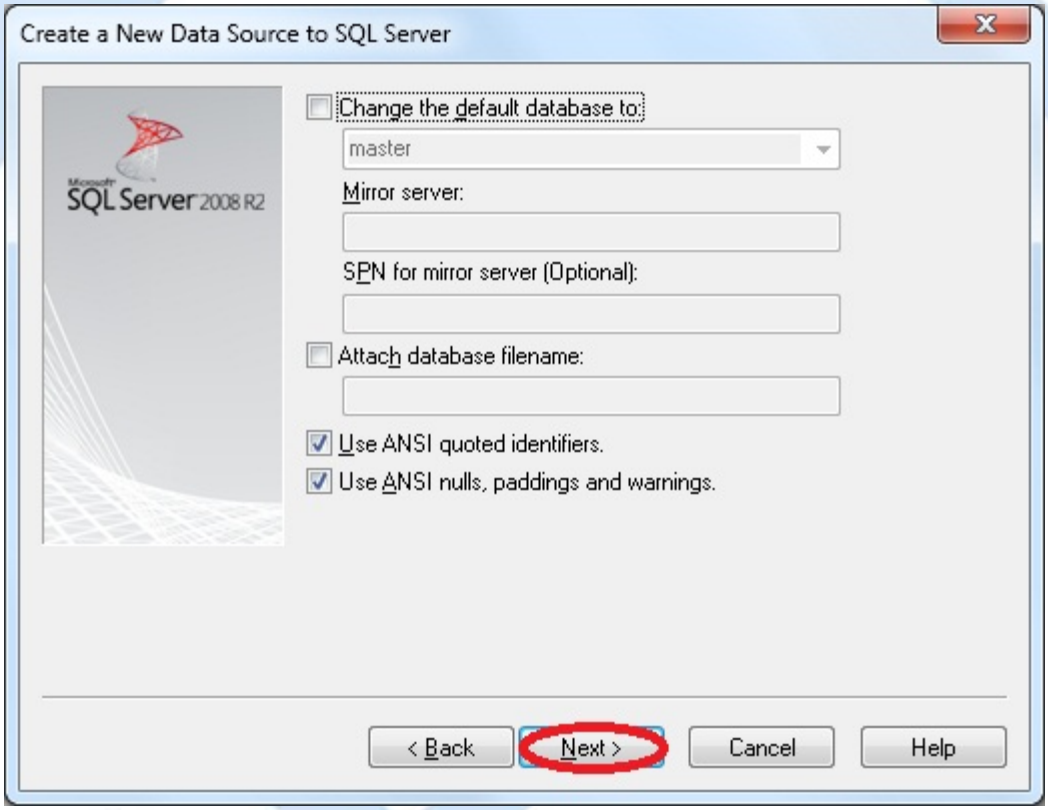


When creating an ODBC connection to create a database for Cencon use Master as the default database.

Note
The Cencon Database Utility will change the ODBC accordingly when creating a new database.

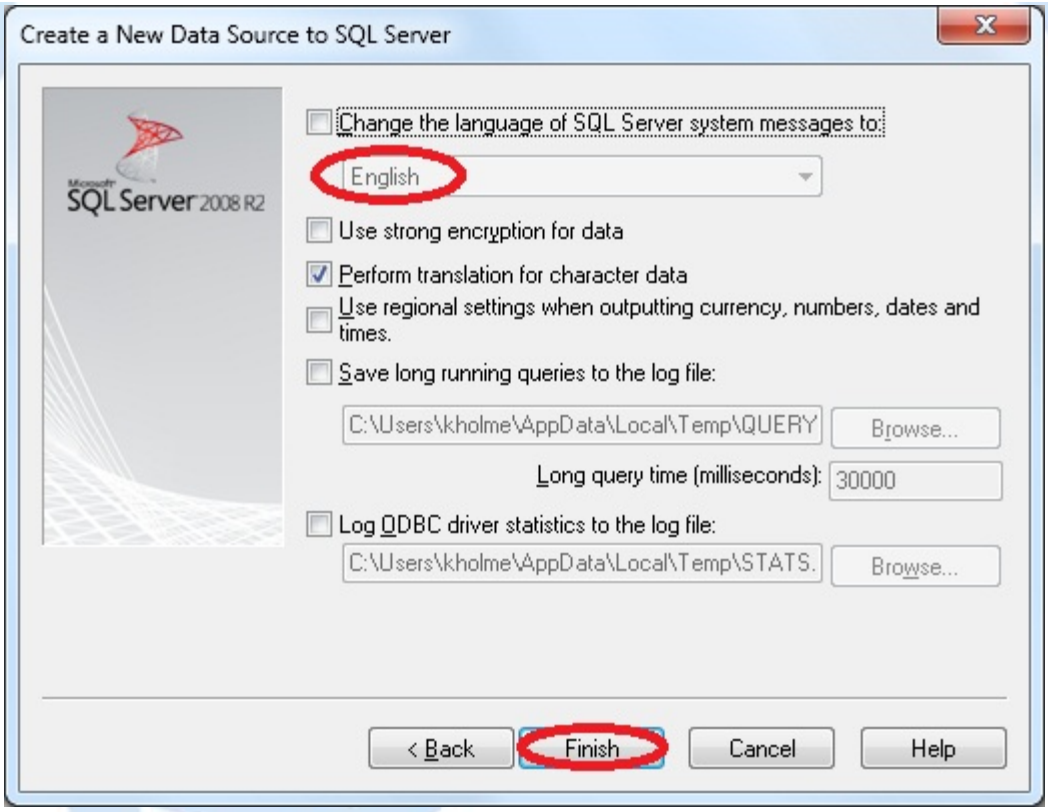
Important Note
If simply adding an ODBC connection to connect to an existing Cencon database change to the appropriate database.

6. Click Next>

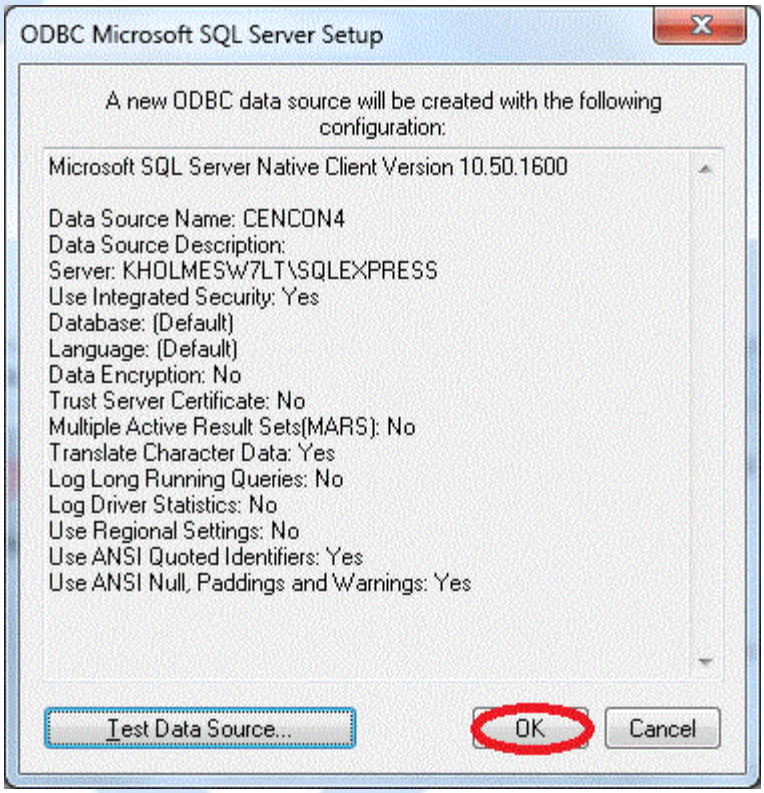


Important Note
Only English is supported

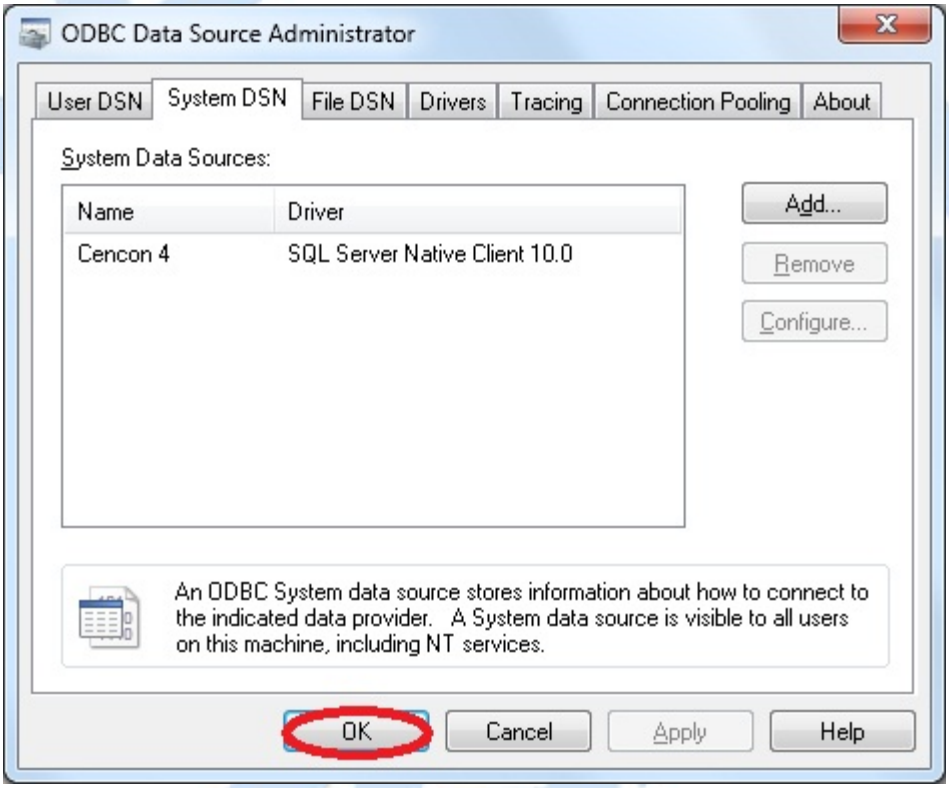
7. Click Finish >


Create a New Data Source to SQL Server
SQL Server 2008 R2
Change the language of SQL Server system messages to:
English
Use strong encryption for data
Perform translation for character data
Use regional settings when outputting currency, numbers, dates and times.
Save long running queries to the log file:
C:\Users\kholme\AppData\Local\Temp\QUERY
Browse...
Long query time (milliseconds):
30000
Log ODBC driver statistics to the log file:
C:\Users\kholme\AppData\Local\Temp\STATS.
Browse...
< Back
Finish
Cancel
Help

8. Click OK >


ODBC Microsoft SQL Server Setup
A new ODBC data source will be created with the following configuration:
Microsoft SQL Server Native Client Version 10.50.1600
Data Source Name: CENCON4
Data Source Description:
Server: KHOLMESW7LT\SQLEXPRESS
Use Integrated Security: Yes
Database: (Default)
Language: (Default)
Data Encryption: No
Trust Server Certificate: No
Multiple Active Result Sets(MARS): No
Translate Character Data: Yes
Log Long Running Queries: No
Log Driver Statistics: No
Use Regional Settings: No
Use ANSI Quoted Identifiers: Yes
Use ANSI Null, Paddings and Warnings: Yes
Test Data Source...
OK
Cancel

9. Click OK > to close



© 1996-2013 Kaba Mas LLC

ODBC Connection Creation for Oracle

ODBC (**Open Database Connectivity**) is a standard C interface for accessing database management systems (DBMS). The designers of ODBC aimed to make it independent of database systems and operating systems. An application can use ODBC to query data from a DBMS, regardless of the operating system or DBMS it uses.

ODBC accomplishes DBMS independence by using an *ODBC driver* as a translation layer between the application and the DBMS. The application uses ODBC functions through an *ODBC driver manager* with which it is linked, and the driver passes the query to the DBMS.

Important Note

Use current Oracle ODBC Drivers for 10g instant client or higher.

http://www.oracle.com/technetwork/database/features/instant-client/index-097480.html

Important Note

You can use your existing Oracle ODBC drivers if you already have them set up. You can also use the Oracle instant client drivers provided with the Cencon install. The Oracle instant client driver files are automatically installed to the Cencon install directory for your convenience. This is located under a directory labeled Oracle_instantclient_11_2_XXbit, where XX is either 32 or 64 bit depending on your install. You will still need to go through the Oracle instant client setup:

1. Add the path to the Oracle instant client directory to your computers PATH environment variable. Under the Start menu, right click on Computer and select Properties.

2. Select Advanced system settings from your computer properties dialog. Your computer System Properties dialog will be displayed.

3. Select the Environment Variables button. The Environment Variables dialog will be displayed.

4. Scroll through the System variables list at the bottom of the Environment Variables dialog, until you see the variable Path. Select Path from the list.

5. Click the Edit... button. The Edit System Varible dialog will be displayed.

6. Append the path for the Oracle instant client directory to the Variable value, separated by a ';'.

7. Click OK in the Edit System Variable dialog.

8. Click OK in the Environment Variables dialog.

9. Click OK in the System Properties dialog.

10. Open the Oracle instant client directory in a browser window.

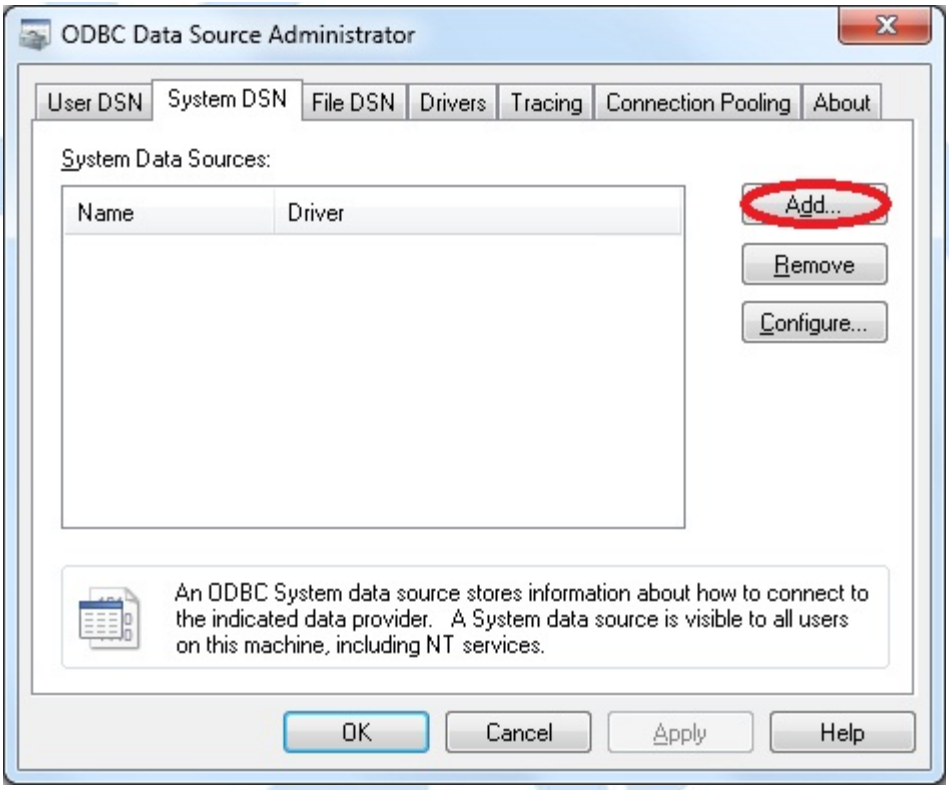
11. Run the Oracle ODBC driver install named odbc_install.exe. The Oracle ODBC driver install is text based. You may see a brief command prompt window appear and disappear.

(If you run odbc_install.exe from a command prompt window, you will see a message displayed indicating if the install succeeded or not. Otherwise, the install is invisible.)

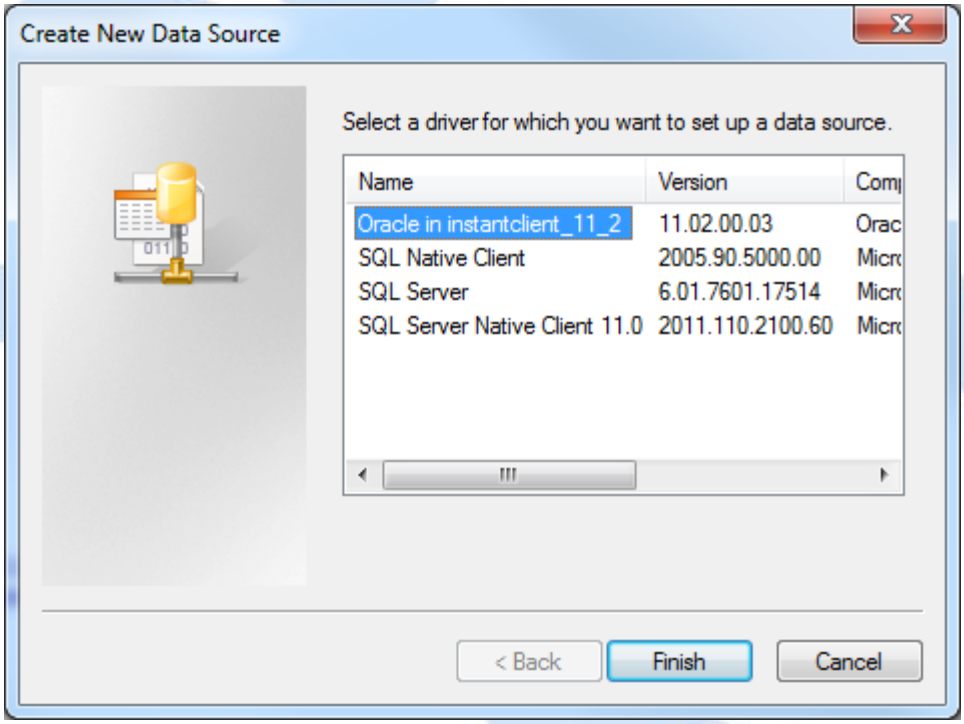
1. Go to Control Panel/Administration Tools/Data Sources (ODBC):

Note: You may have to right click on Data Sources (ODBC) and select Run as administrator.

2. Select the System DSN tab and Click Add >



3. Select the Oracle ODBC driver you have installed and click Finish >



Type a name and type or use the drop down to select the server and instance.

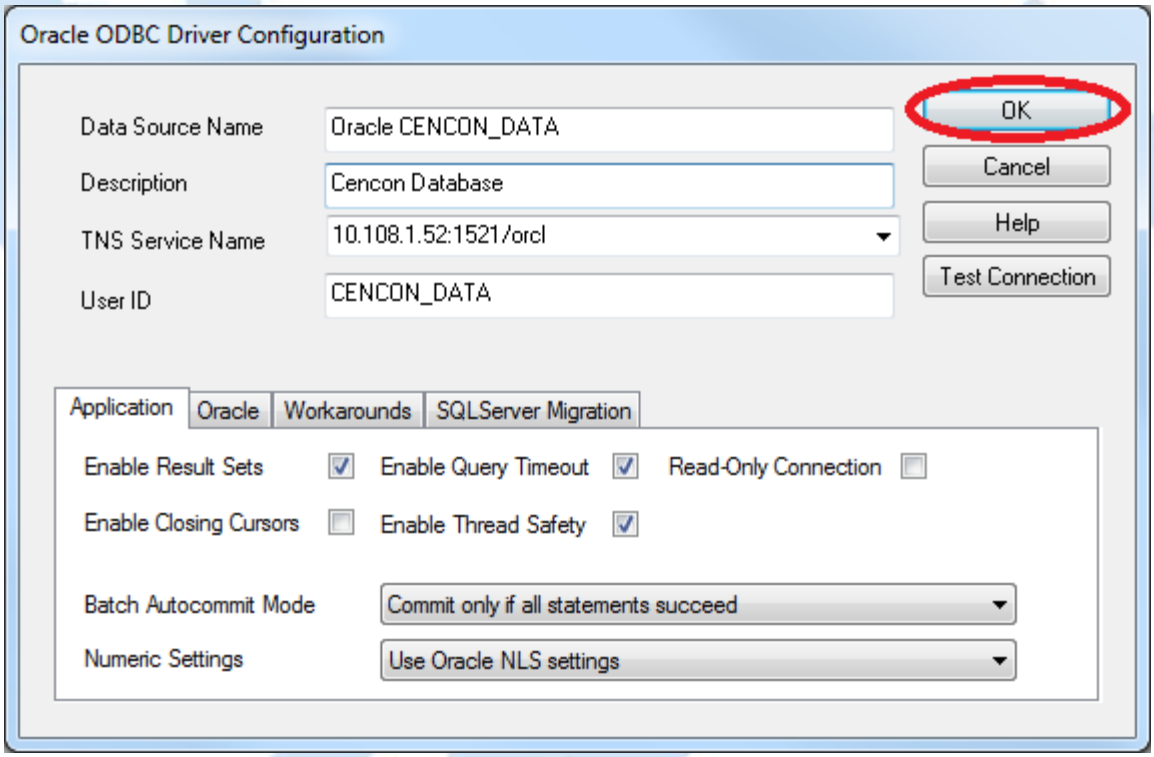
> **Important Note**
>
> You will need to have created an Oracle database user to host the Cencon database. The Oracle database user you create will need to be configured with the minimum permissions as described under the Database User Permissions (Oracle) section.

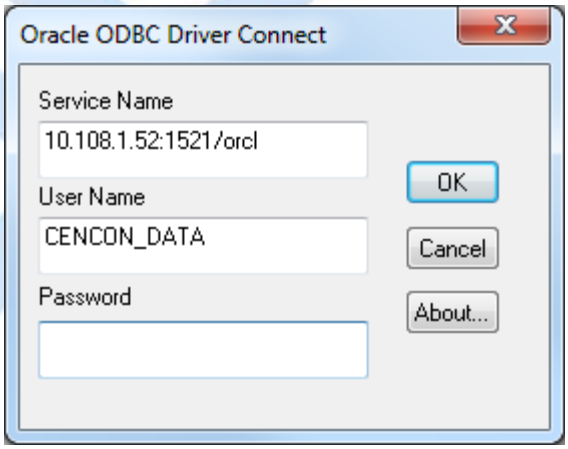
4. Enter the desired Data Source Name

Enter the IP address of the server / the instance name

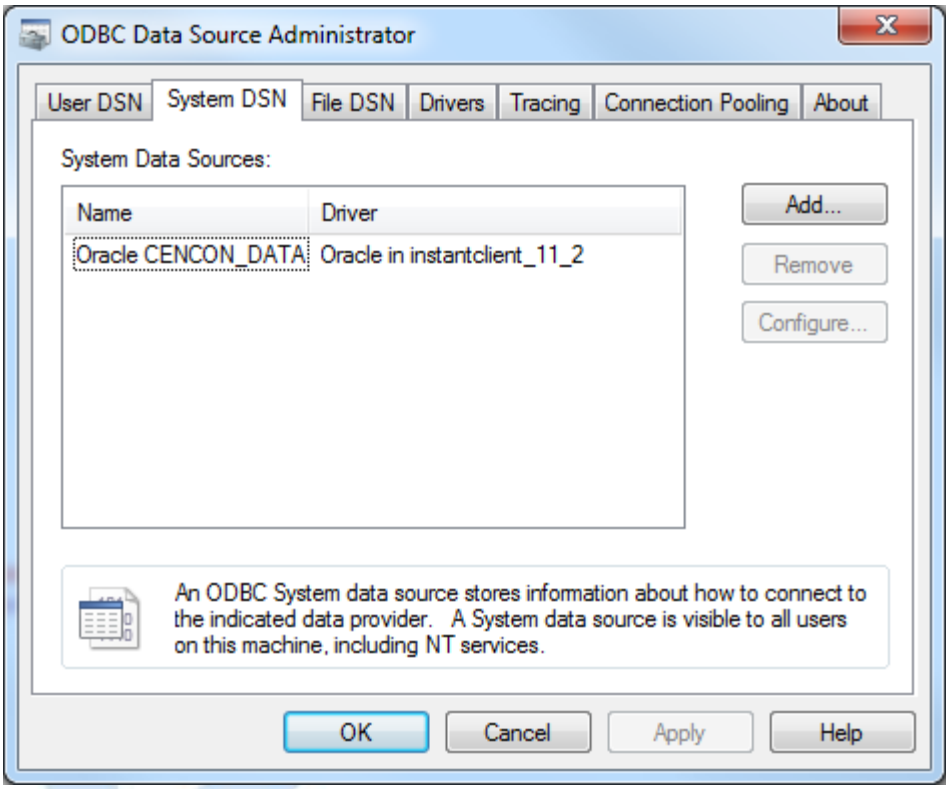
Enter User ID. User ID must be the user set up to host the Cencon database.

Click OK> Enter Password





5. Click OK > to close



© 1996-2013 Kaba Mas LLC

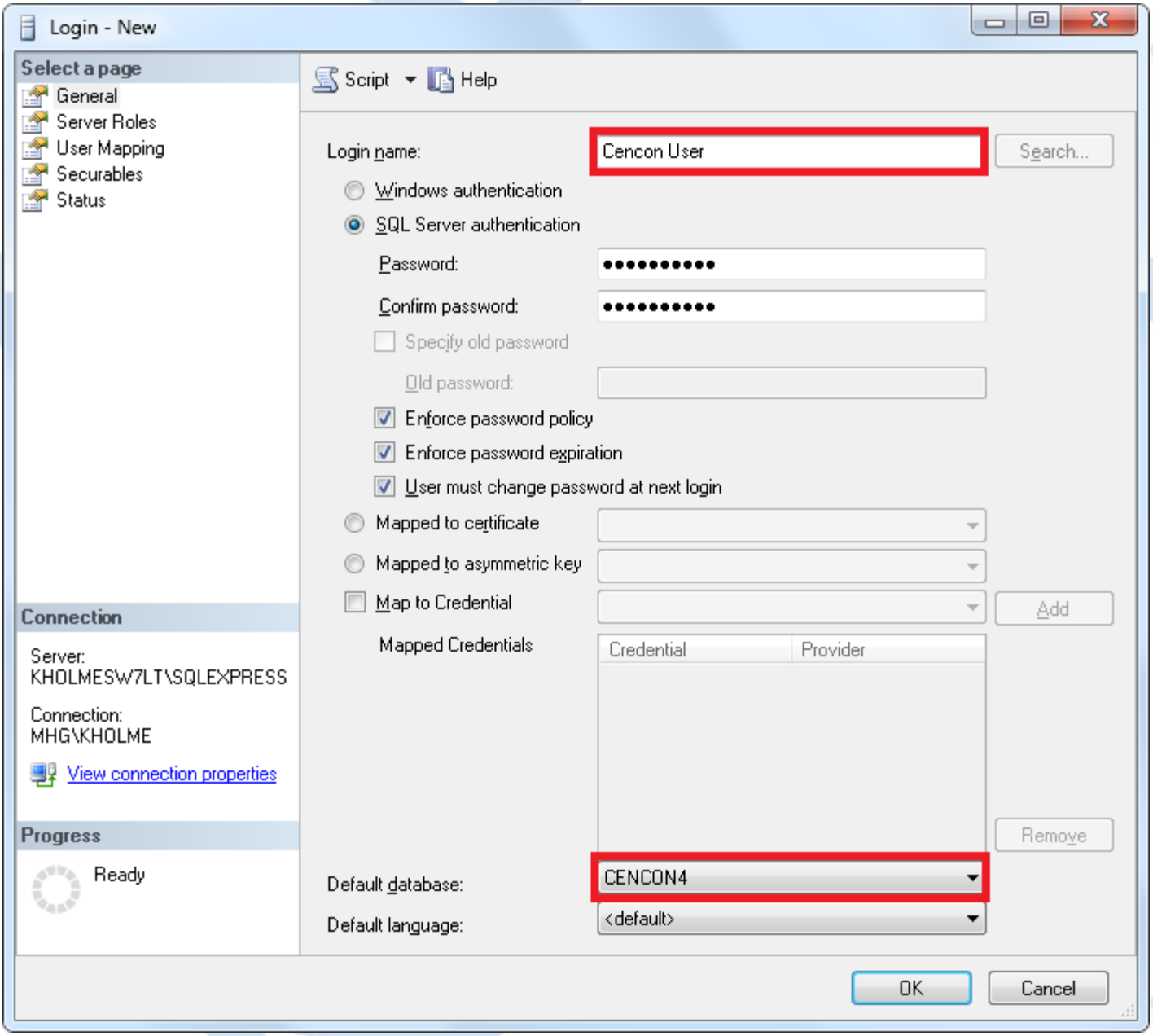
Permissions required for Cencon Client connectivity and utilization

1. Go to SQL Server Management Tool

Expand Security right click Logins and select New Login>

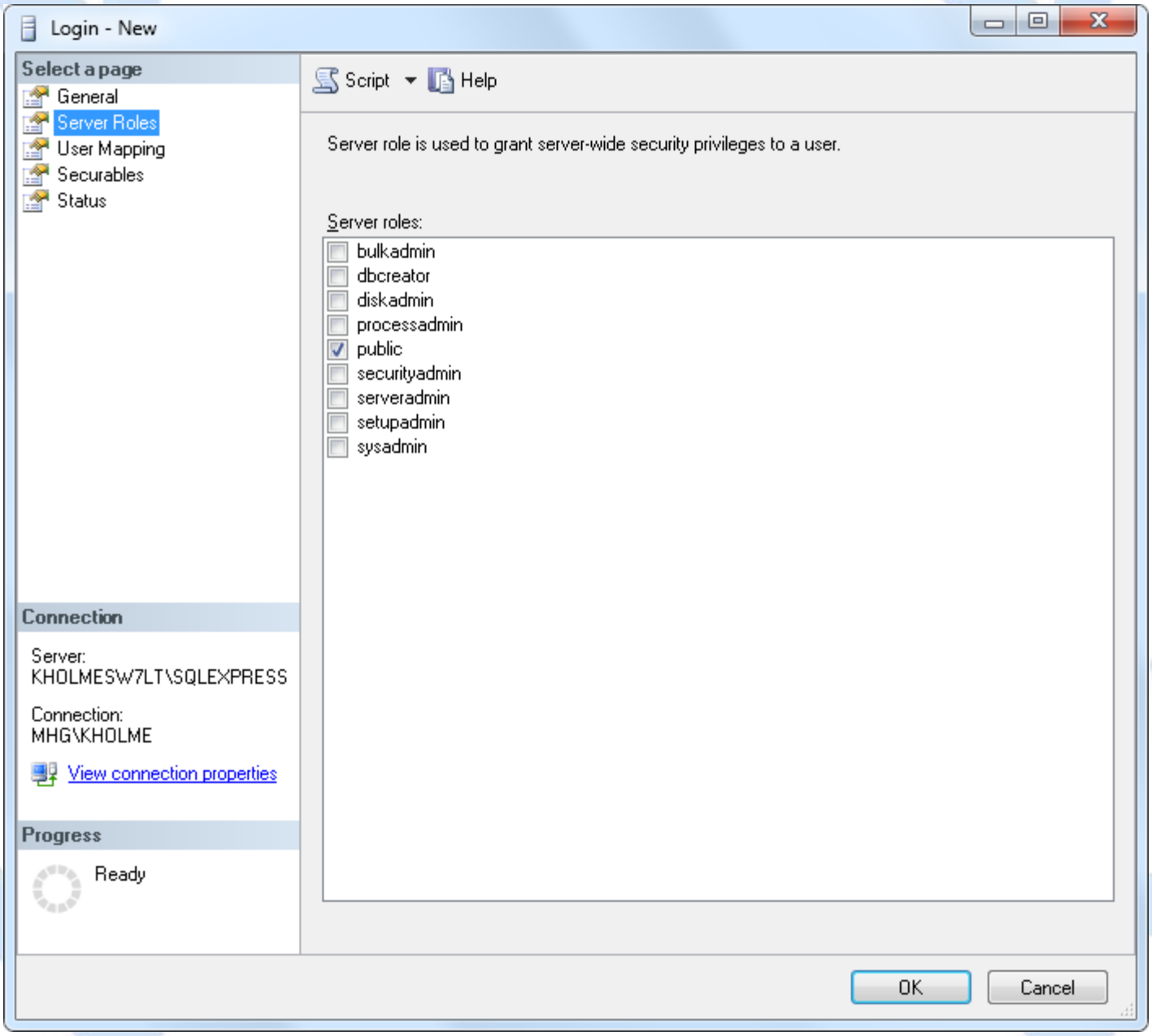
Enter SQl or Network Login

Change Default Database to Cencon



2. Select Server Roles >

Public is selected by default

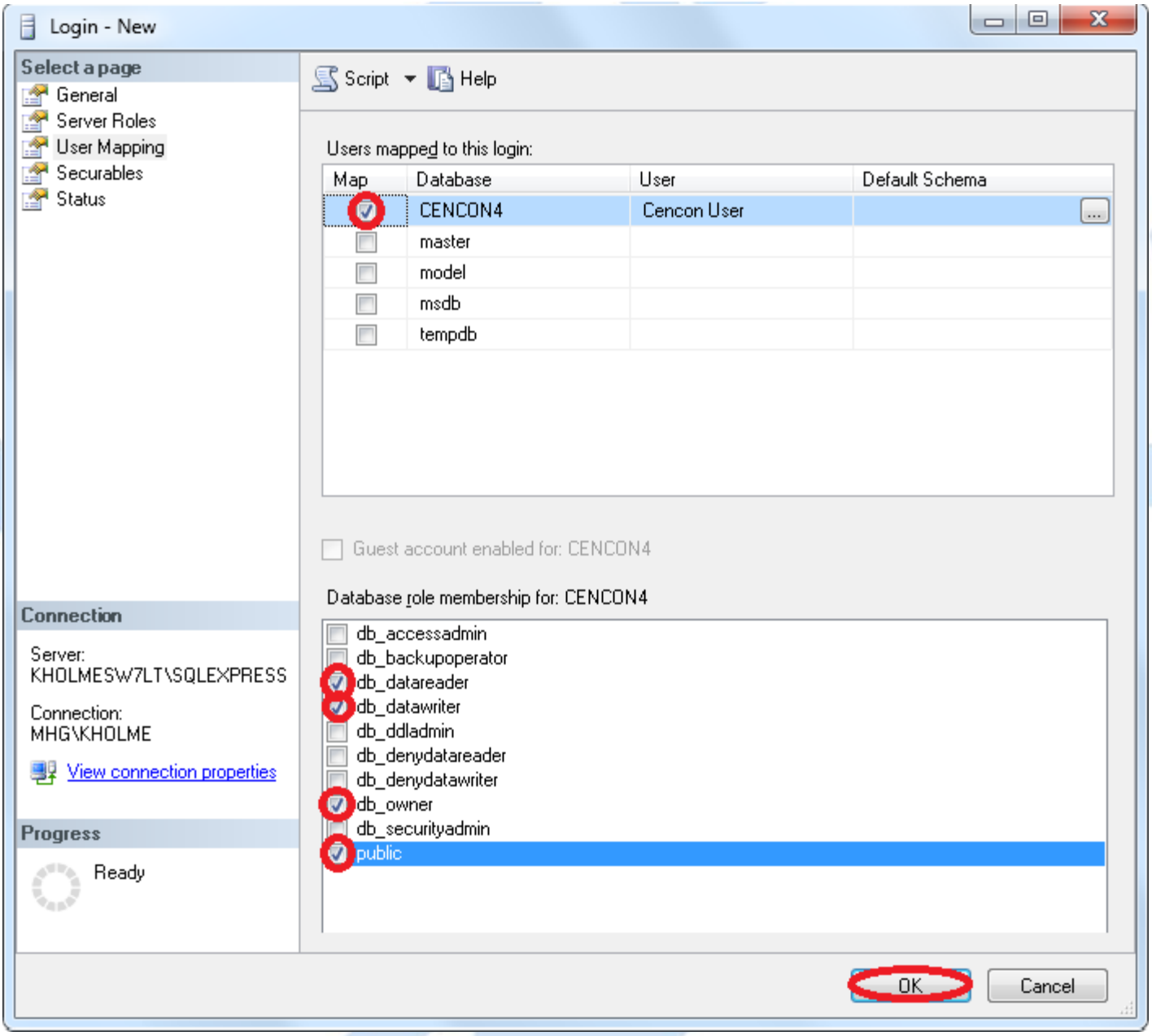


3. Select User Mapping

User mapped to this Login check the Cencon Database.

Under tole membership check the following db_datareader, db_datawriter, db_owner and db_public.

Click OK>



© 1996-2013 Kaba Mas LLC

Database Permissions For Oracle

You will need to set up a Oracle Database user to host the Cencon database used by Cencon and Centran. Cencon and Centran must use this Oracle user name to log onto the Oracle Database using the Oracle ODBC Driver.

The Oracle user name should be set up only with the permissions needed for Cencon, Centran, and the CenconDBSetupUtility. These permissions are the mimimum required by these applications. You must give the Oracle user the following minimum set of user permissions. You should not assign any additional permissions beyond those listed below.

Role:

- CONNECT

System Privilage:

- CREATE SESSION
- CREATE TABLE
- CREATE VIEW
- CREATE PROCEDURE
- CREATE MATERIALIZED VIEW
- ON COMMIT REFRESH

Tablespaces:

Default: USERS

Temporary: TEMP

Quota:

USERS: unlimited

Status:

ACCOUNT_STATUS: unlocked

Cencon, Centran, and the CenconDBSetupUtility do not support setting a database schema for operations against an Oracle database. They will use the default schema defined by the Oracle ODBC connection you set up.

You must use the Oracle user you configured to host the Cencon database as your log with the Oracle ODBC driver.

The listed minimum permissions do not allow Cencon, Centran, or the CenconDBSetupUtility to access any Oracle database objects beyond those within the default schema. With the minimum permissions list above, Cencon, Centran, and the CenconDBSetupUtility will not have any access to any other data on your Oracle database outside of the default schema for the Oracle ODBC database connection.

Example ORACLE SQL To Create User CENCON_DATA:

```
CREATE USER "CENCON_DATA" IDENTIFIED BY "Your Password Goes Here"
        DEFAULT TABLESPACE "USERS"
        TEMPORARY TABLESPACE "TEMP"
        PROFILE "DEFAULT"
GO
GRANT "CONNECT" TO "CENCON_DATA"
GO
ALTER USER "CENCON_DATA" DEFAULT ROLE ALL
GO
GRANT CREATE MATERIALIZED VIEW TO "CENCON_DATA"
GO
```

```
GRANT CREATE PROCEDURE TO "CENCON_DATA"
GO
GRANT CREATE SESSION TO "CENCON_DATA"
GO
GRANT CREATE TABLE TO "CENCON_DATA"
GO
GRANT CREATE VIEW TO "CENCON_DATA"
GO
GRANT ON COMMIT REFRESH TO "CENCON_DATA"
GO
ALTER USER "CENCON_DATA"
        QUOTA UNLIMITED ON "USERS"
```

© 1996-2013 Kaba Mas LLC

Set Up New Database (SQL Server)

The Cencon® 4.1.5 Database Utility option to create a database adds all databases, stored procedures, and constraints that Cencon® 4.1.5 will utilize.

Caution
The Cencon® 4.1.5 Database Setup Utility should be run on the same machine where the DBMS is located to maximize performance.

Select Set Up Cencon Database to launch the CenconDBSetupUtility.exe.

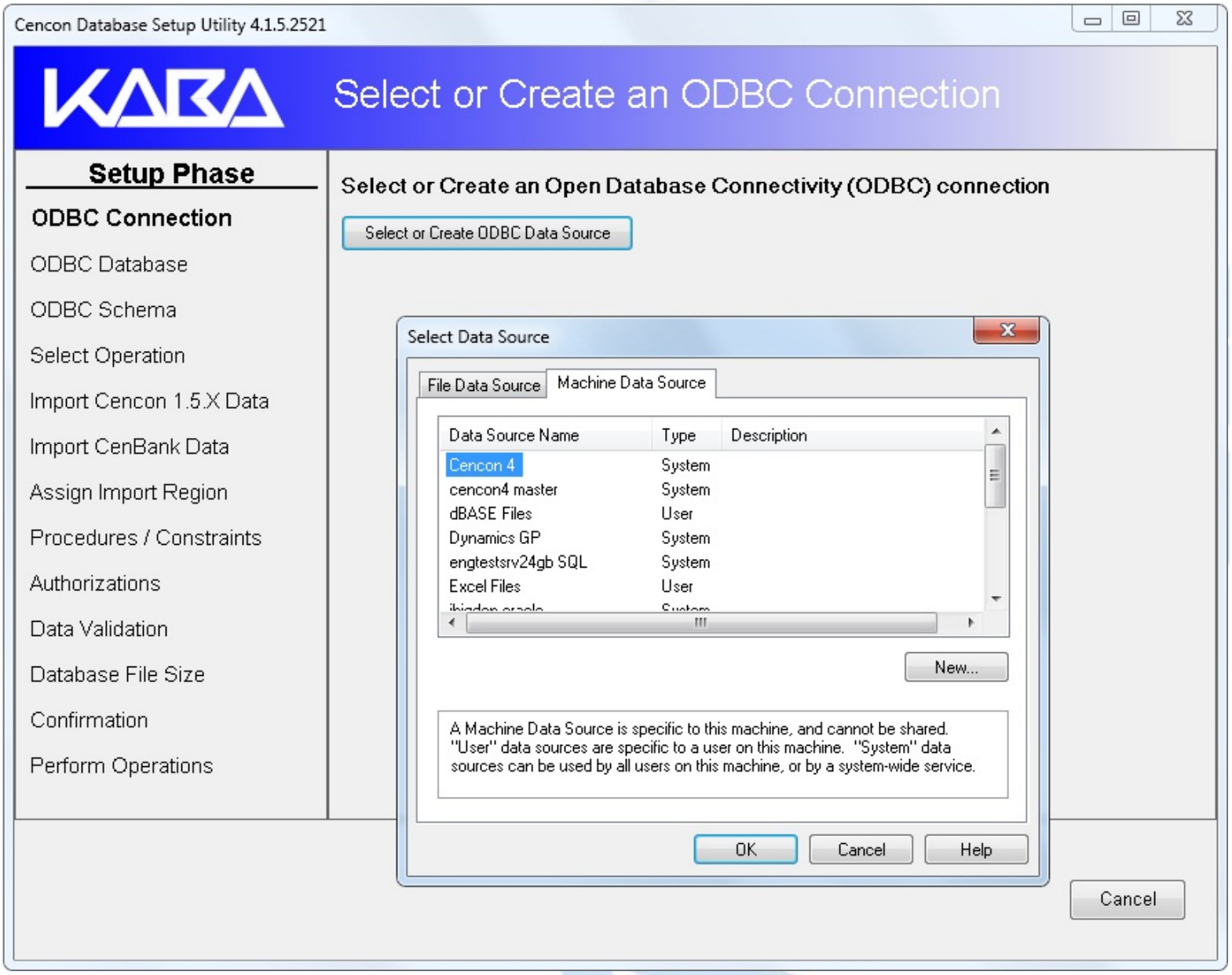
NOTE: The CenconDBSetupUtility.exe can also be launched manually by browsing the install source (DVD, USB drive, or download) to the correct folder based on your operating system:

- **DBSetupUtility\Windows_32bit\CenconDBSetupUtility.exe, or**
- **DBSetupUtility\Windows_64bit\CenconDBSetupUtility.exe**

1. Click Set Up Cencon Database >

2. Click the Select ODBC Data Source > Select the Machine Data Source tab.

Note
The ODBC can only be a Machine Data Source and a user with SYSDBA privileges must be used to create the database.

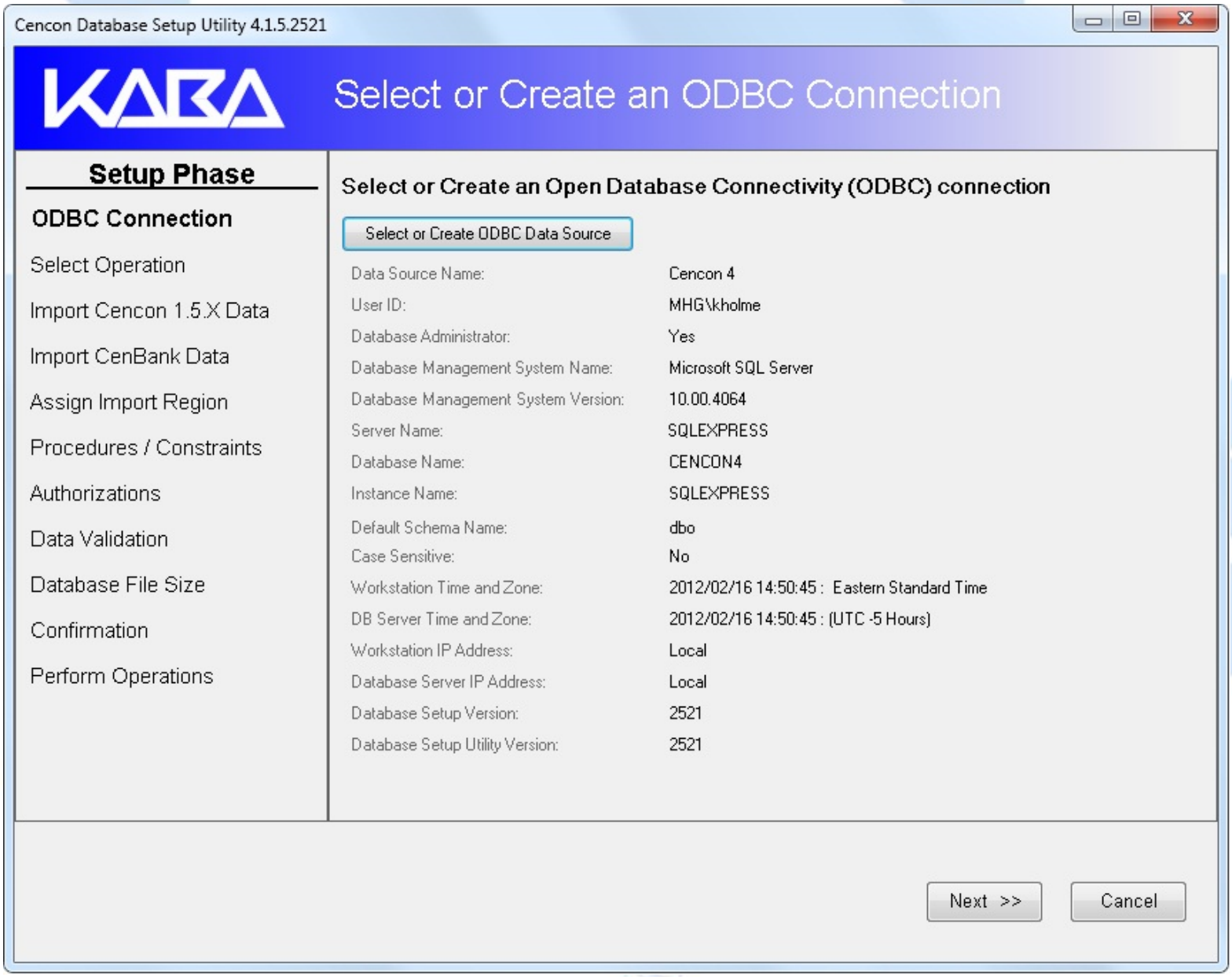


Note
When selecting an ODBC connection this may take a moment to load Data Source information.

Caution

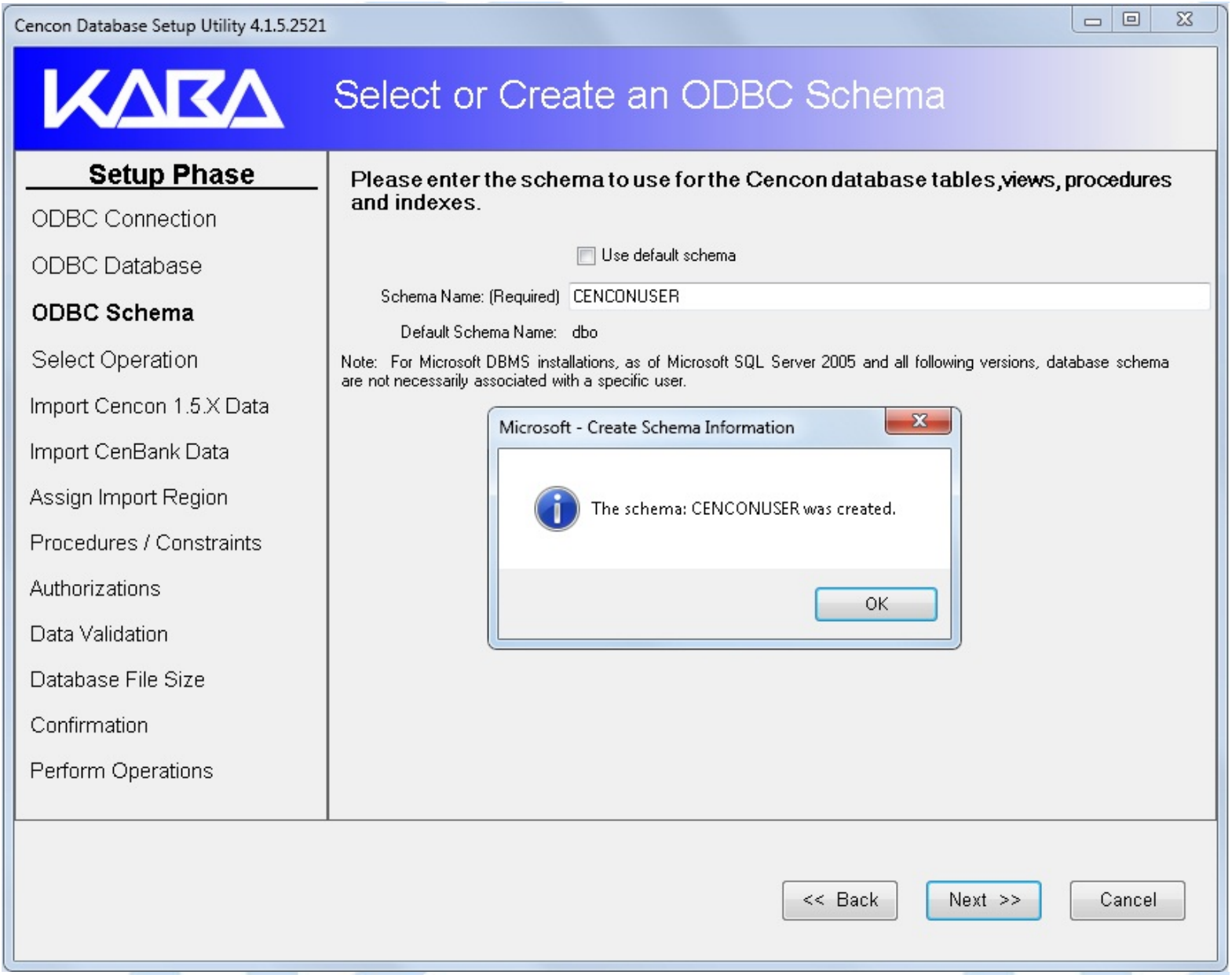
The Cencon® 4.1.5 Database Setup Utility should be run on the same machine where the DBMS is located to maximize performance.

3. Review Data then Click Next >

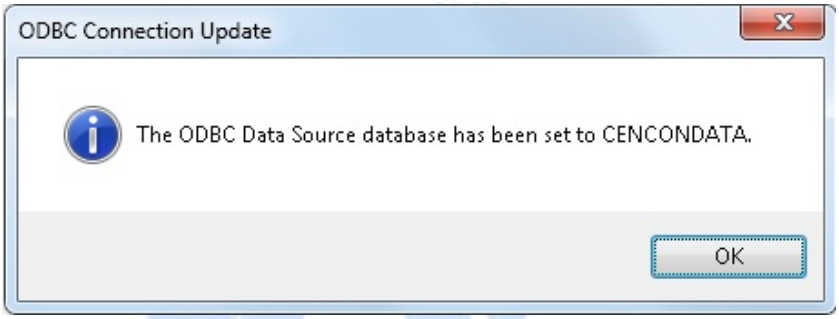


Note
The database name cannot start with numbers or symbols.

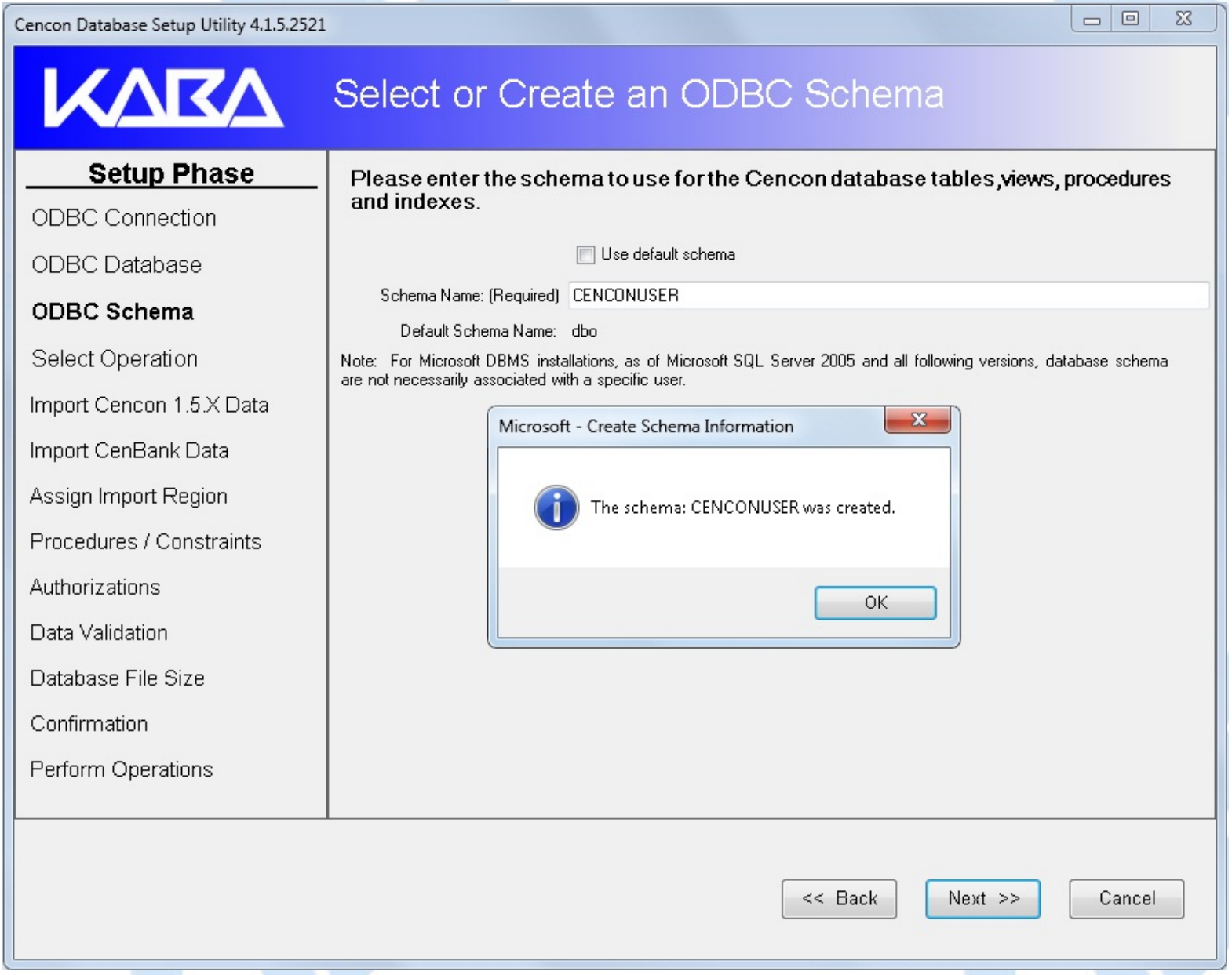
4. Type the Database name to be created. Click Next > Click Ok >



Note
The ODBC connection has been updated to reflect the database that was entered.



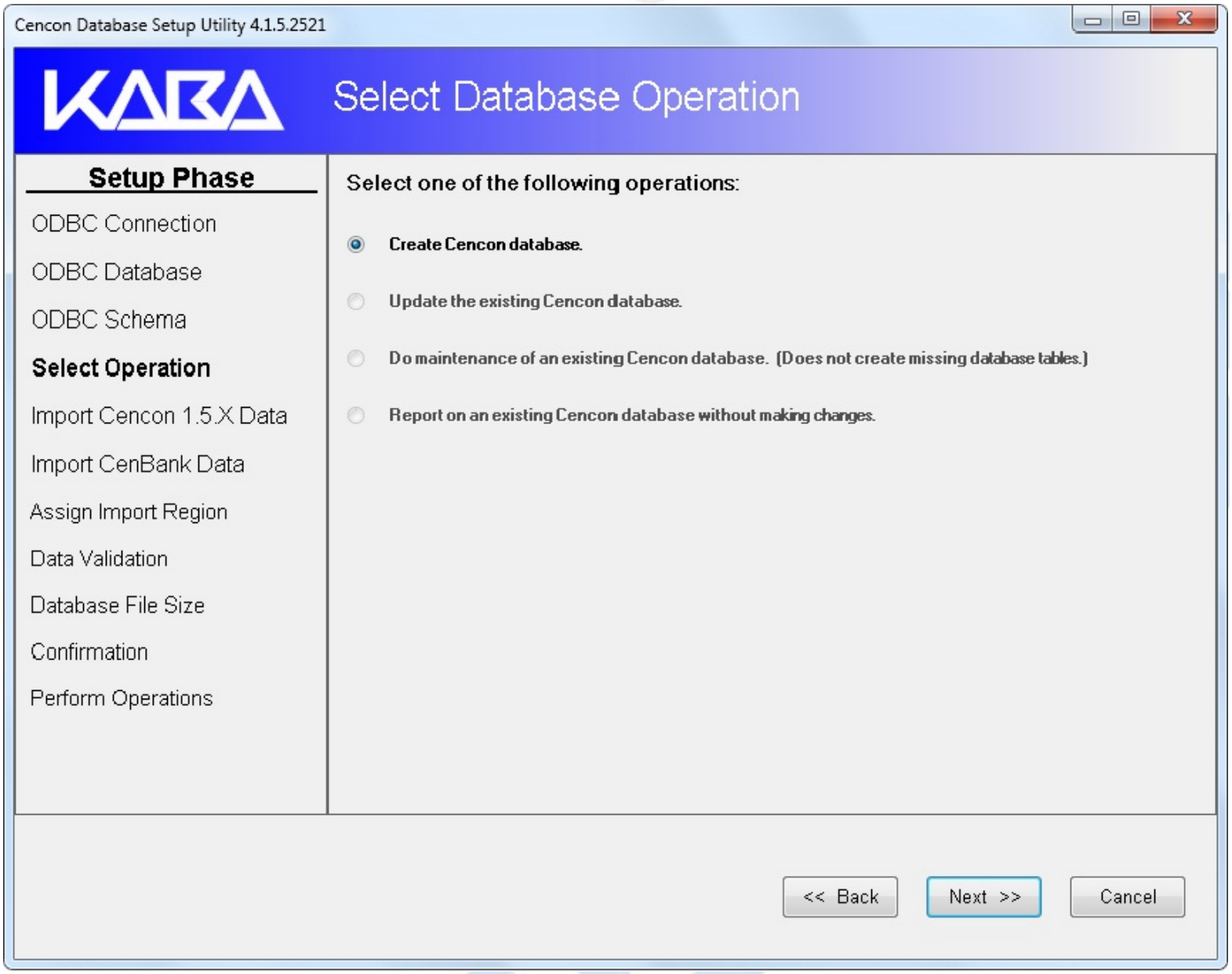
5.Enter a Database user and click Next > Click Ok >



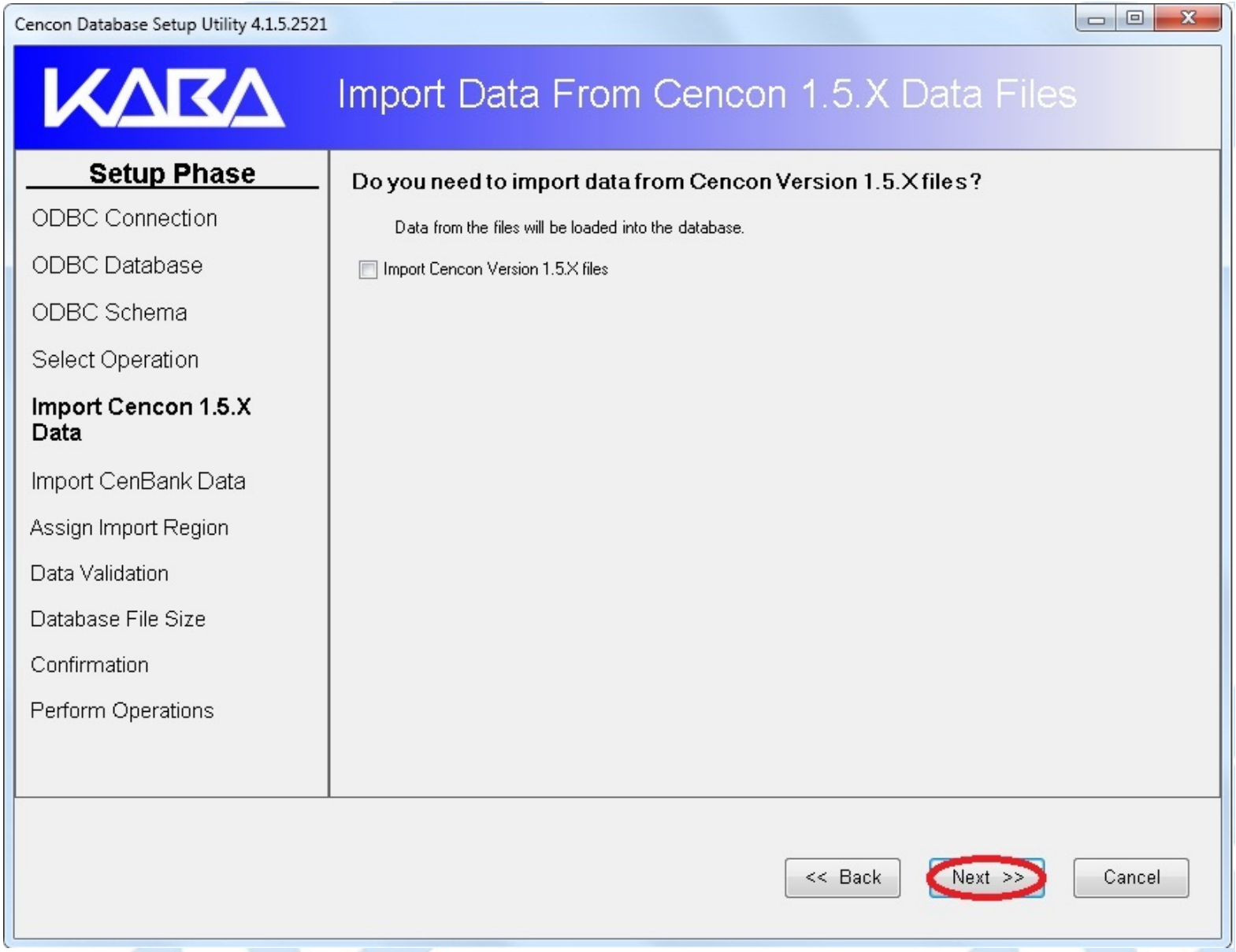
Note

The Cencon Database Utility now reviews the ODBC connection and only allows an Operation that is available for that connection.

6. Click Next >



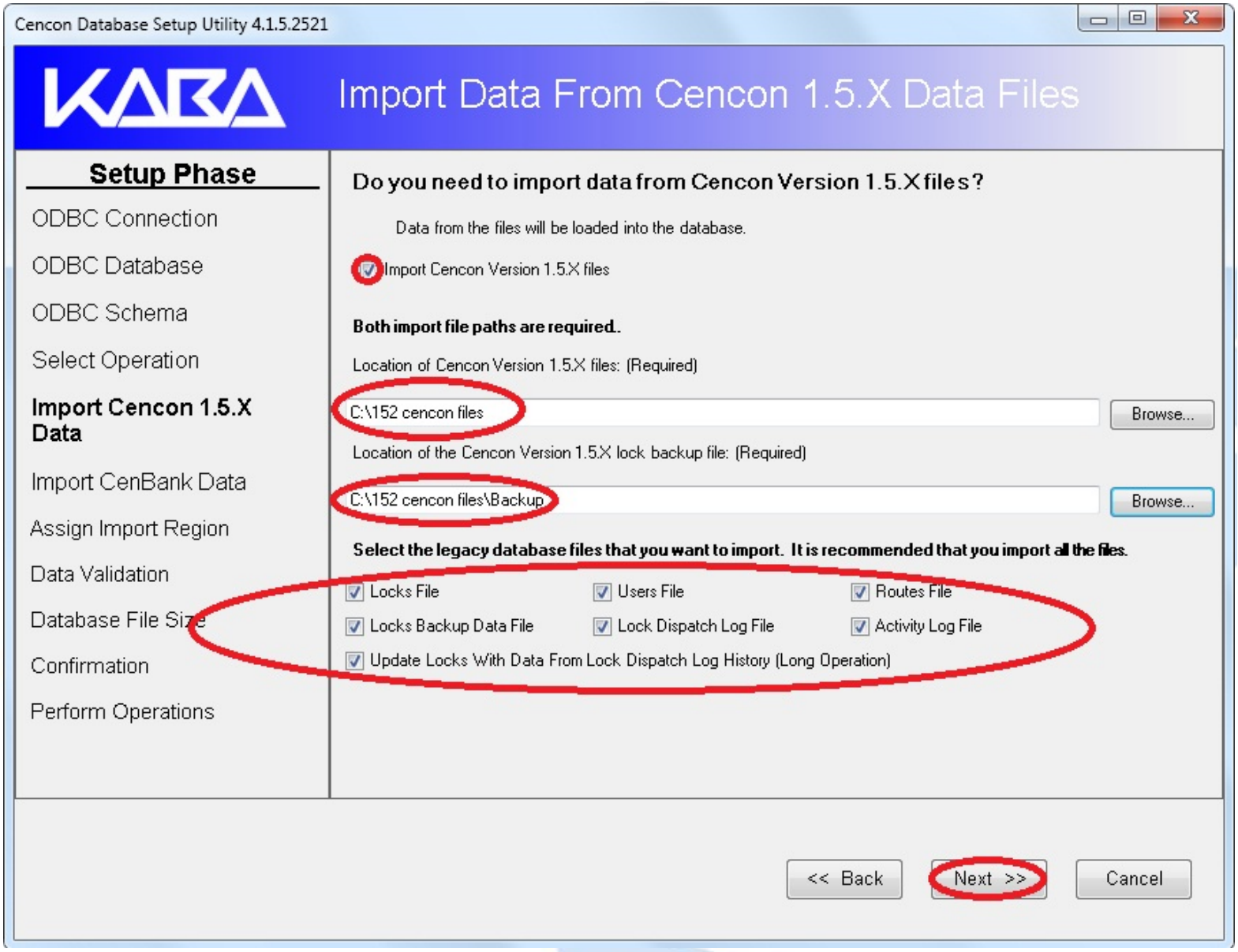
7. If not importing data click Next > If you have 1.5 version data to import see next screen



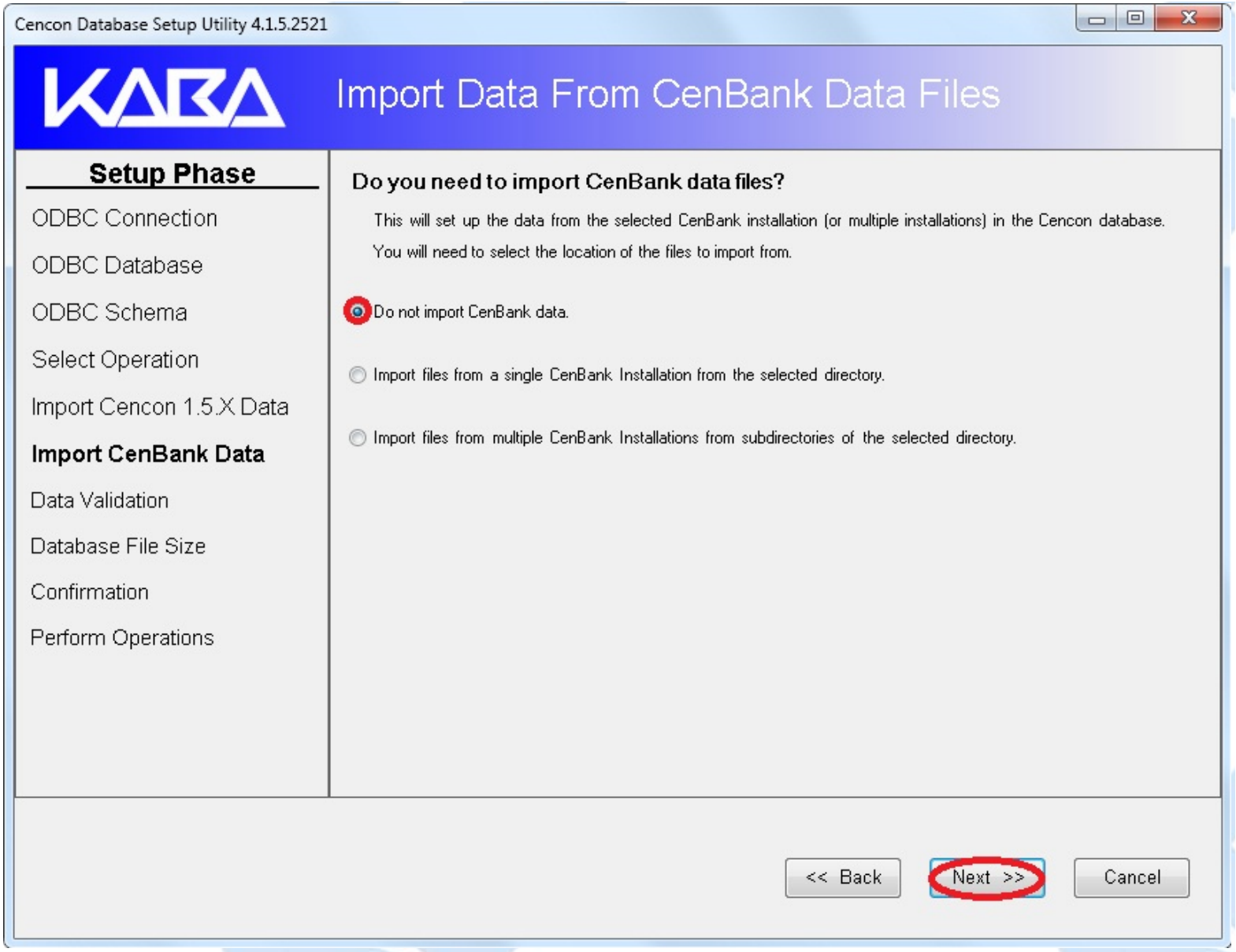
If you have data to import from 1.5 versions of Cencon

Click the check box > Enter or browse to the 1.5 Cencon data. Select what files you want imported

7a.Click Next >



8.If not importing data click Next > If you have Cenbank data to import see next screen

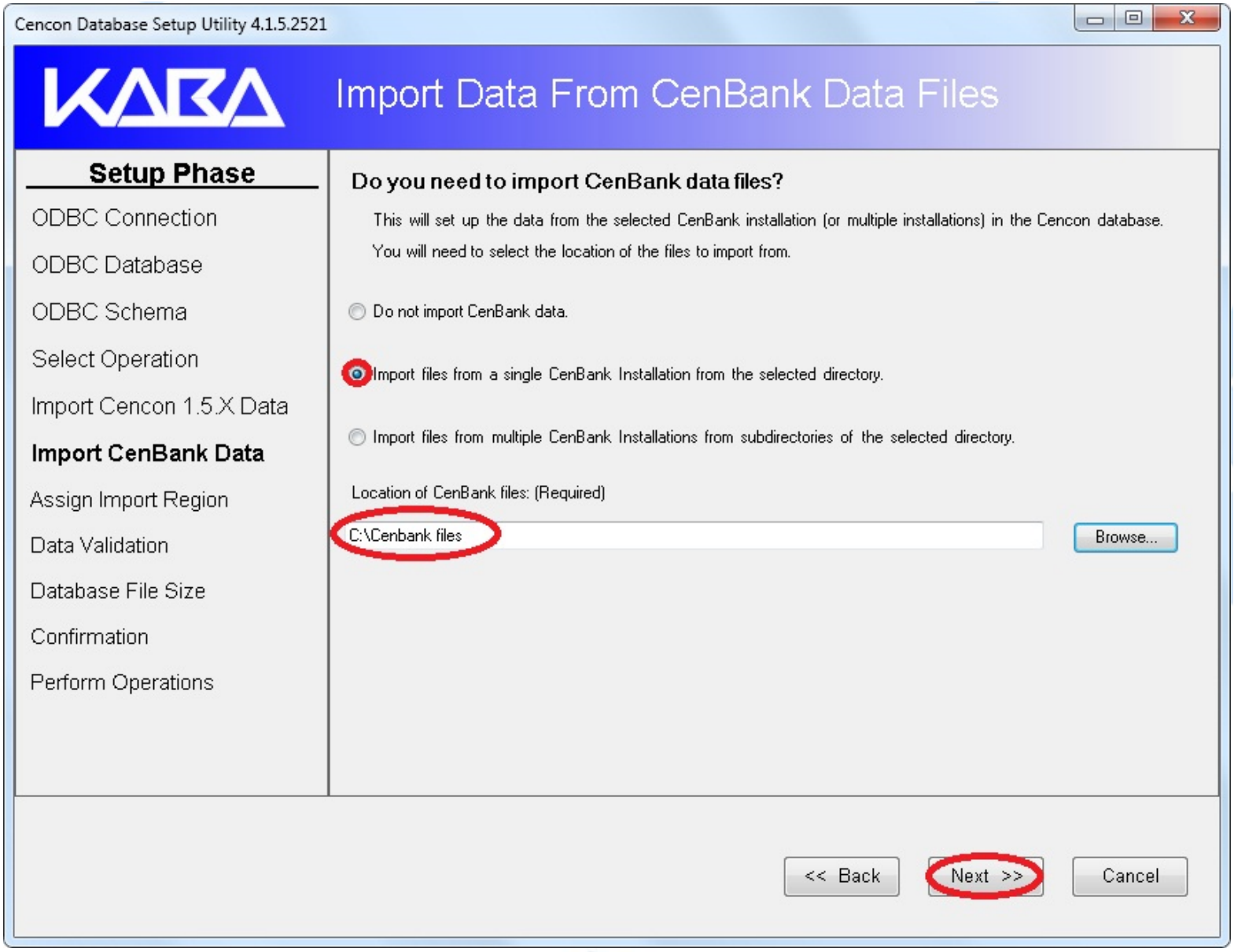


If you have data to import from Cenbank

Click the check box for single or multiple Cenbank systems >

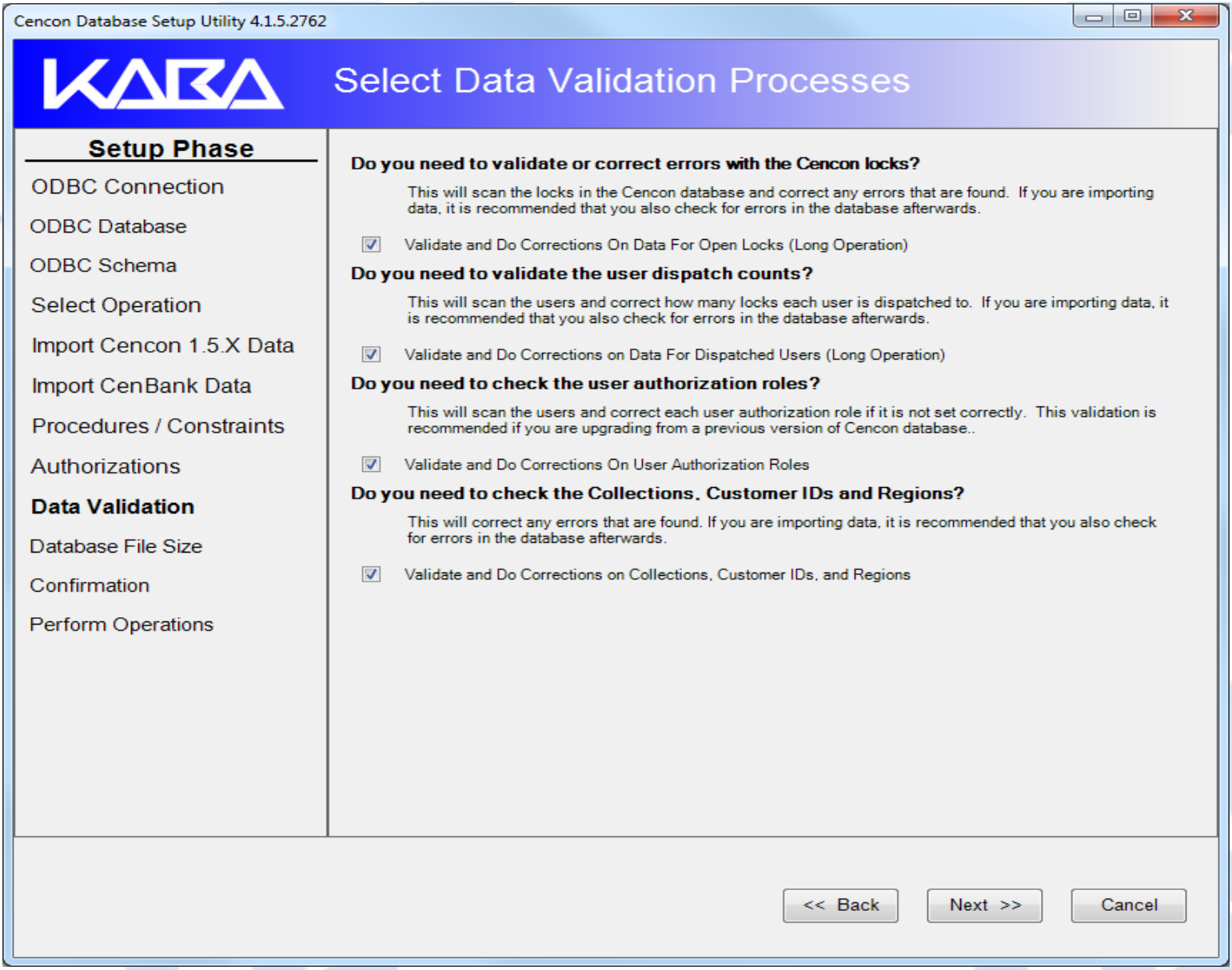
Enter or browse to the Cenbank data

8a. Click Next >



Important Note
If Not importing data Verify all check boxes are unchecked when creating a database. **If importing data these boxes will be grayed out and mandatory.**

9. Click Next >



Important Note

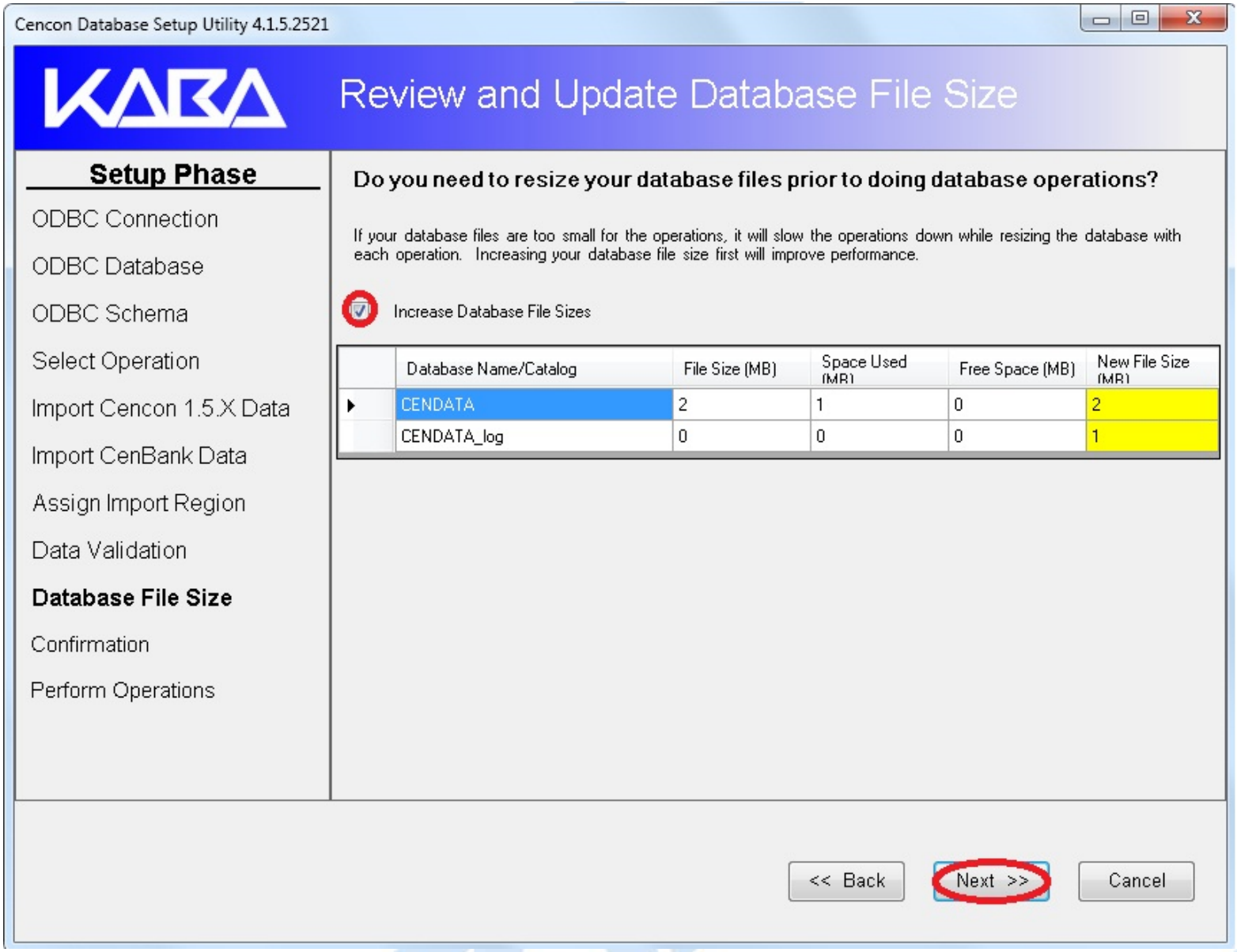
The purpose for resizing is when importing legacy data the DBMS transaction log may reach its restricted file growth. Increasing the size removes this concern of repeated auto growth.

If this is a new database setup this is not required.

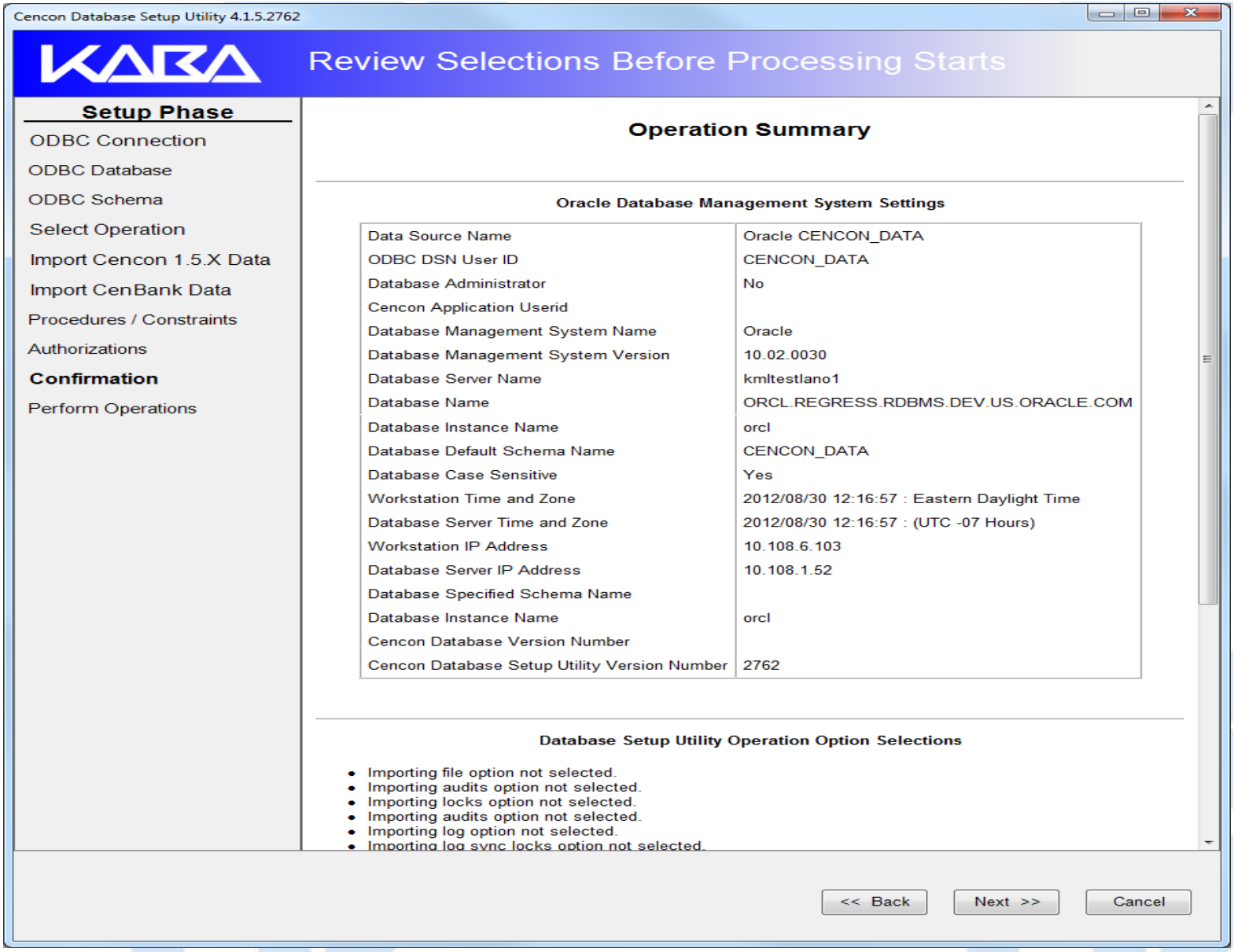
10. Uncheck the Increase file size box. Click Next >

This page will increase size of files to increase the speed if needed when processing multiple transactions

This is percentage base calculation. You can edit the size by overwriting the new file size.



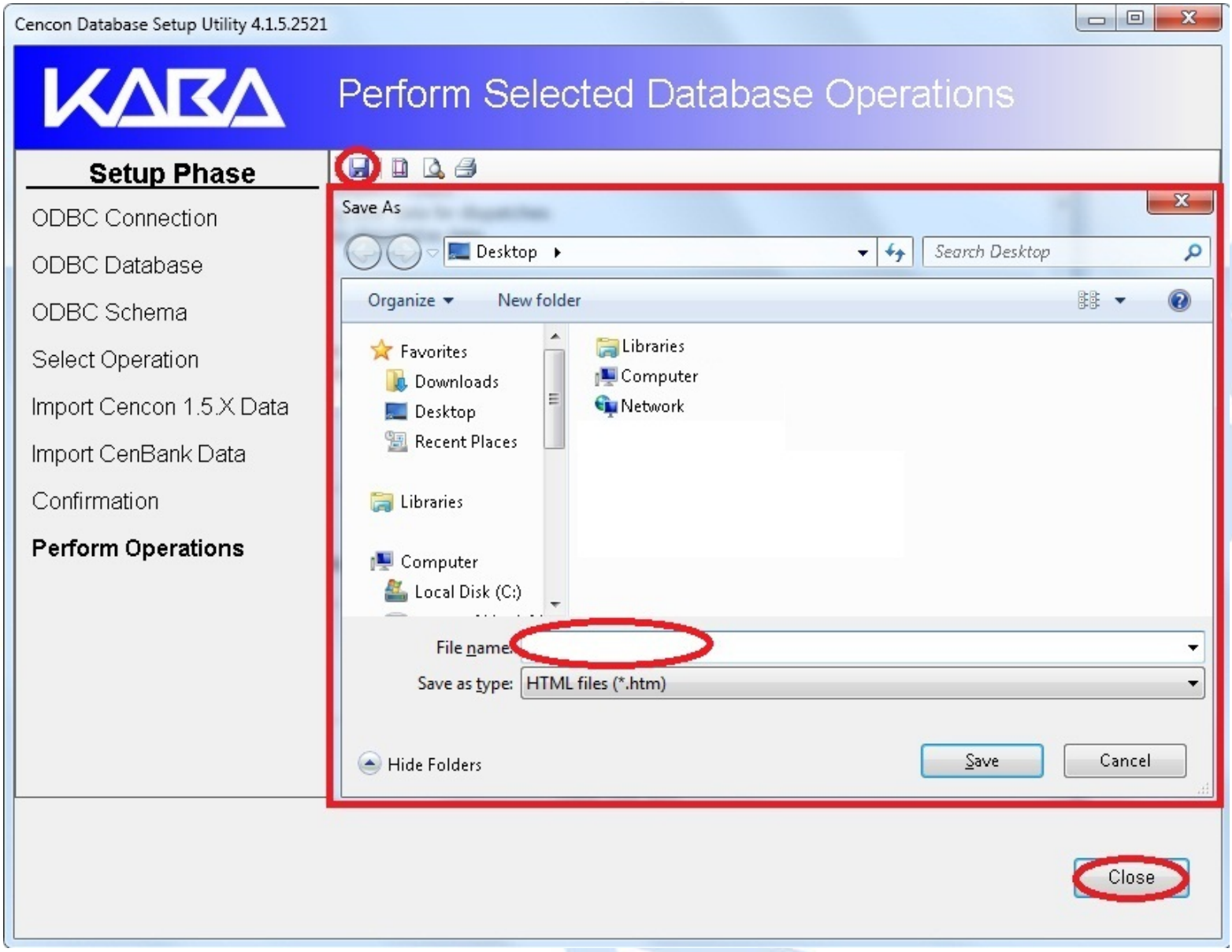
11.Click Next > This is a summary of information and processes to be performed by the utility.



12. Click the Next > to perform the database installation. This creates the databases, stored procedures, indexes, and constraints for Cencon.

Click the Save icon to save the HTML installation report for later review.

Click Close > close the Cencon® 4 Database Setup Utility



© 1996-2013 Kaba Mas LLC

Set Up New Database (Oracle)

The Cencon® 4.1.5 Database Utility option to create a database adds all databases, stored procedures, and constraints that Cencon® 4.1.5 will utilize.

Select Set Up Cencon Database to launch the CenconDBSetupUtility.exe.

NOTE: The CenconDBSetupUtility.exe can also be launched manually by browsing the install source (DVD, USB drive, or download) to the correct folder based on your operating system:

- DBSetupUtility\Windows_32bit\CenconDBSetupUtility.exe
- DBSetupUtility\Windows_64bit\CenconDBSetupUtility.exe

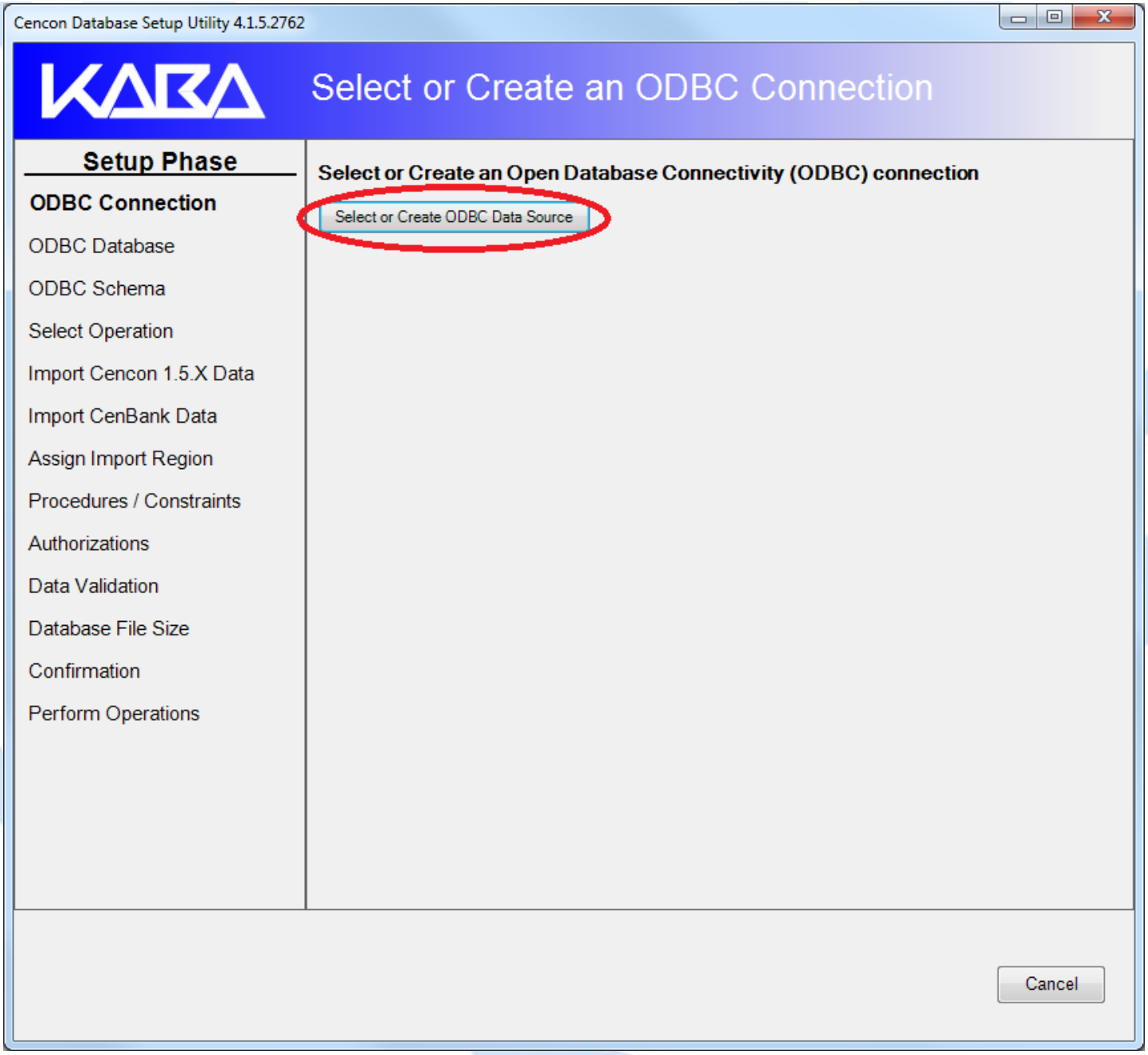
1. Click Set Up Cencon Database >

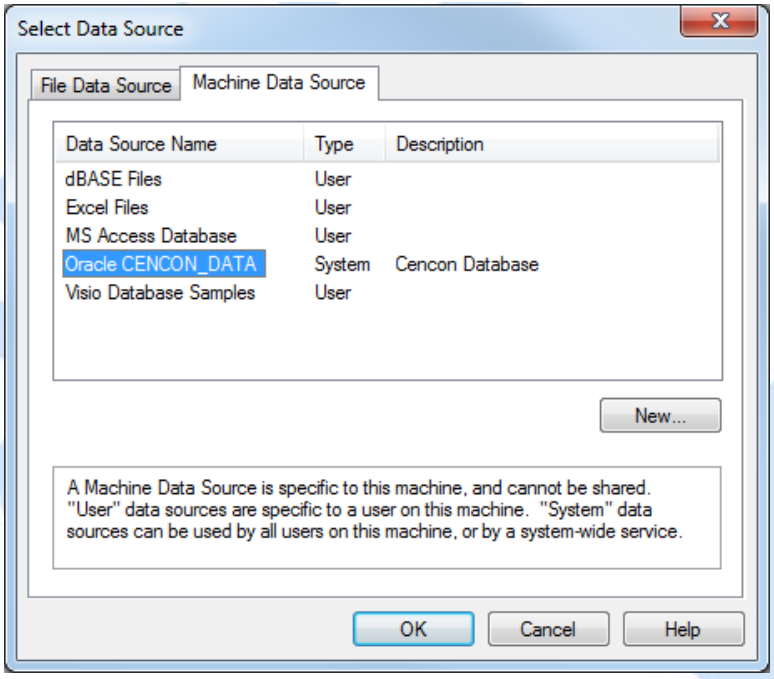
Note

You must have created an Oracle user with the appropriate permissions to host the Cencon database. See the documentation section: Database User Permissions (Oracle)

You must select the ODBC driver connection you configured with the Oracle user you created to host the Cencon database. See the documentation section: ODBC Connection Creation (Oracle)

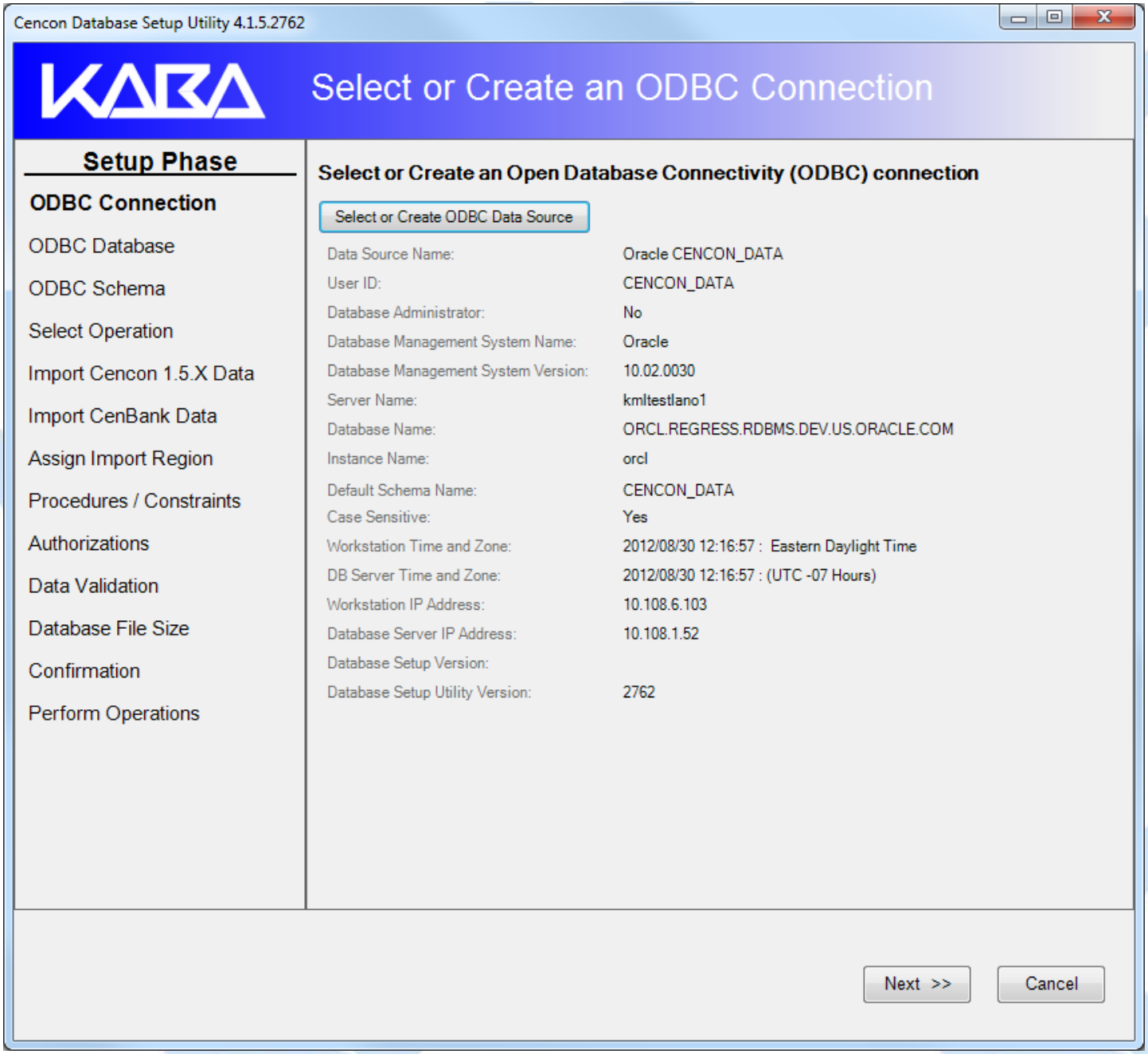
2. Click the Select ODBC Data Source > Select the Machine Data Source tab.


Cencon Database Setup Utility 4.1.5.2762
Select or Create an ODBC Connection
Setup Phase
ODBC Connection
ODBC Database
ODBC Schema
Select Operation
Import Cencon 1.5.X Data
Import CenBank Data
Assign Import Region
Procedures / Constraints
Authorizations
Data Validation
Database File Size
Confirmation
Perform Operations
Select or Create an Open Database Connectivity (ODBC) connection
Select or Create ODBC Data Source
Cancel



Note
When selecting an ODBC connection this may take a moment to load Data Source information.

3. Review Data then Click Next >



Note

The Schema and User ID name cannot start with numbers or symbols.

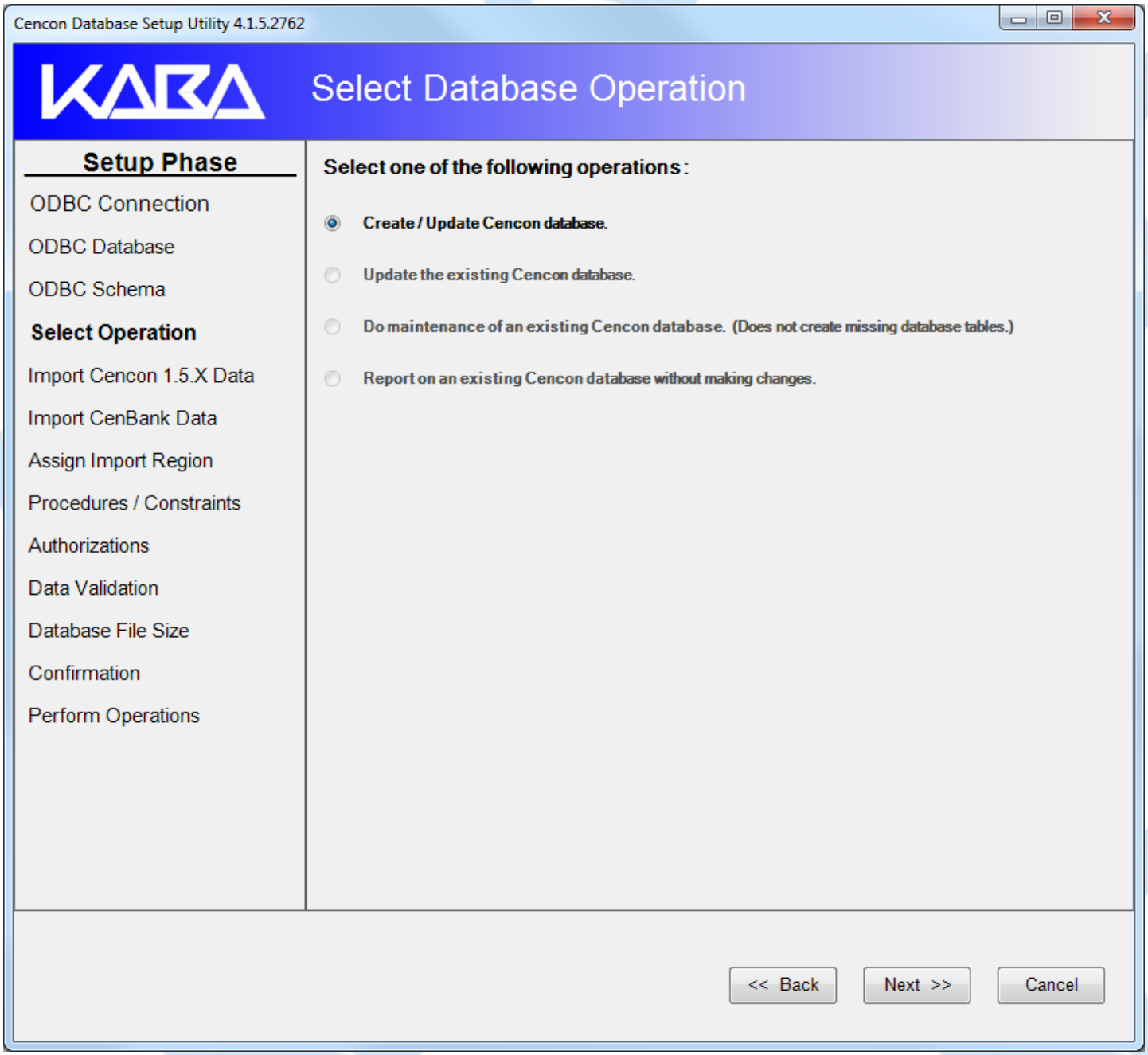
Note

The Default Schema Name indicated for the connection must match the Oracle database schema where you are hosting the Cencon database.

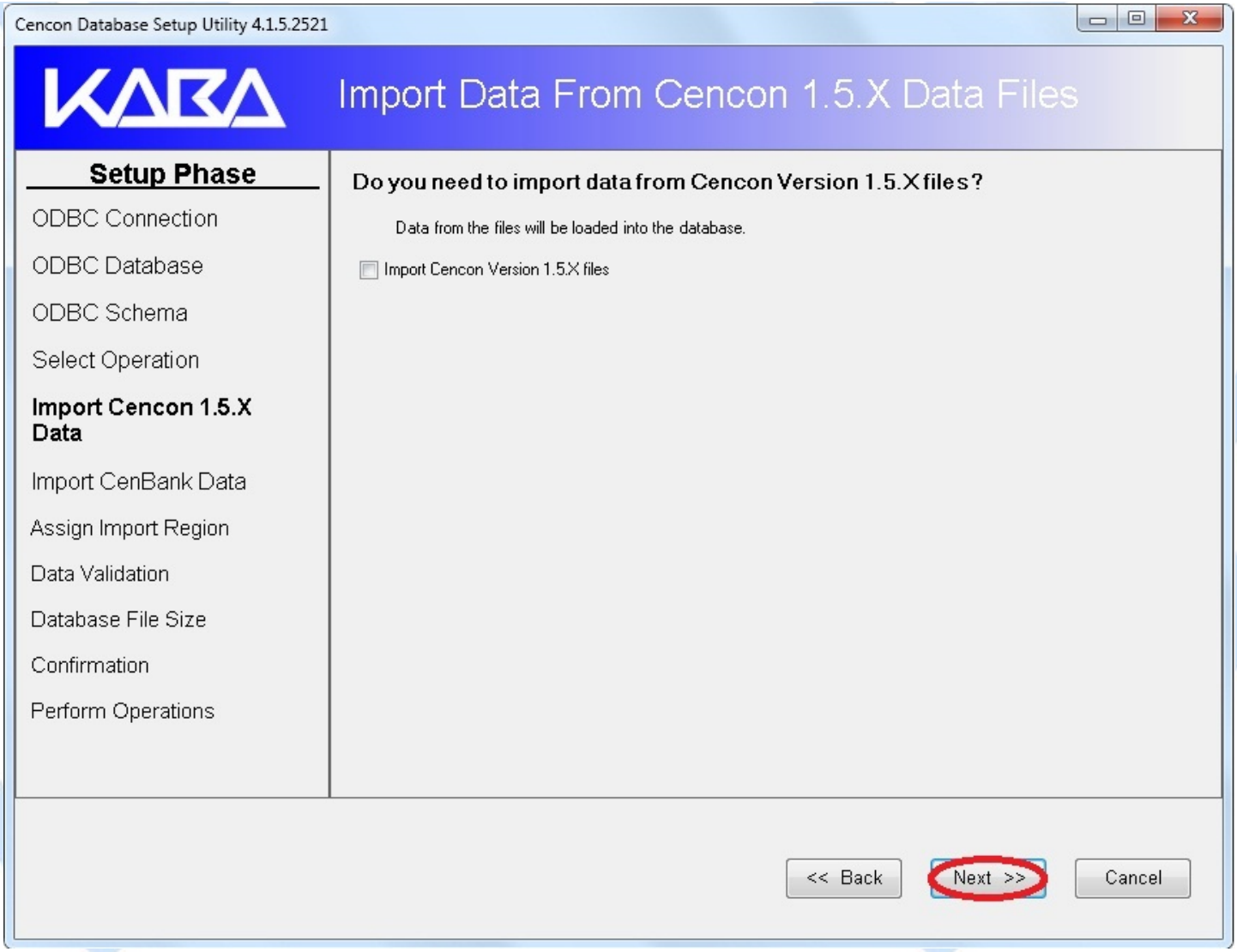
Note

Database Setup Version will be blank if the target Cencon database is empty. If you are targeting a previous version of Cencon database to update it, this field will indicate the previous version.

4. Select the option Create / Update Cencon database and click on Next.

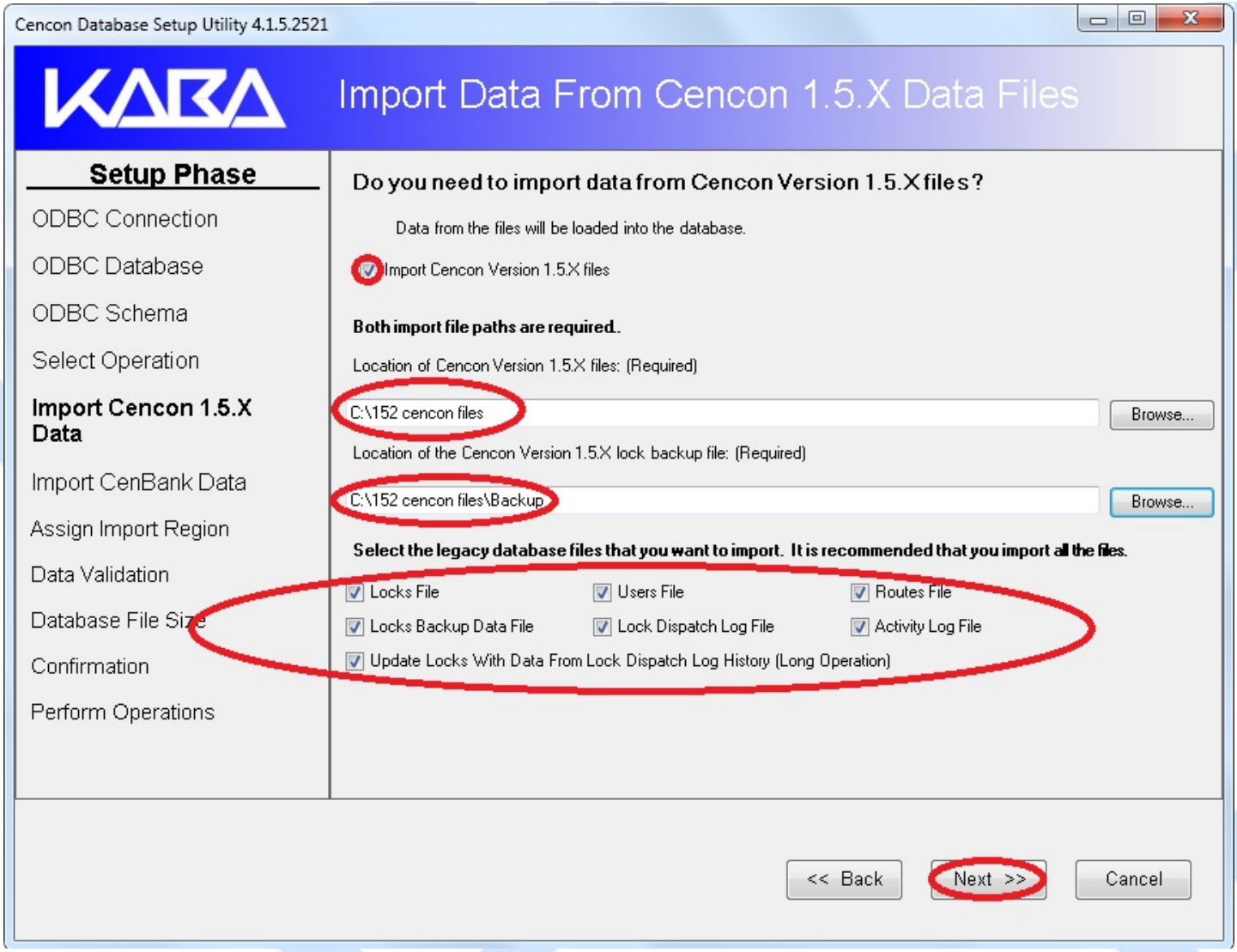


5. If not importing data click Next > If you have 1.5 version data to import see next screen

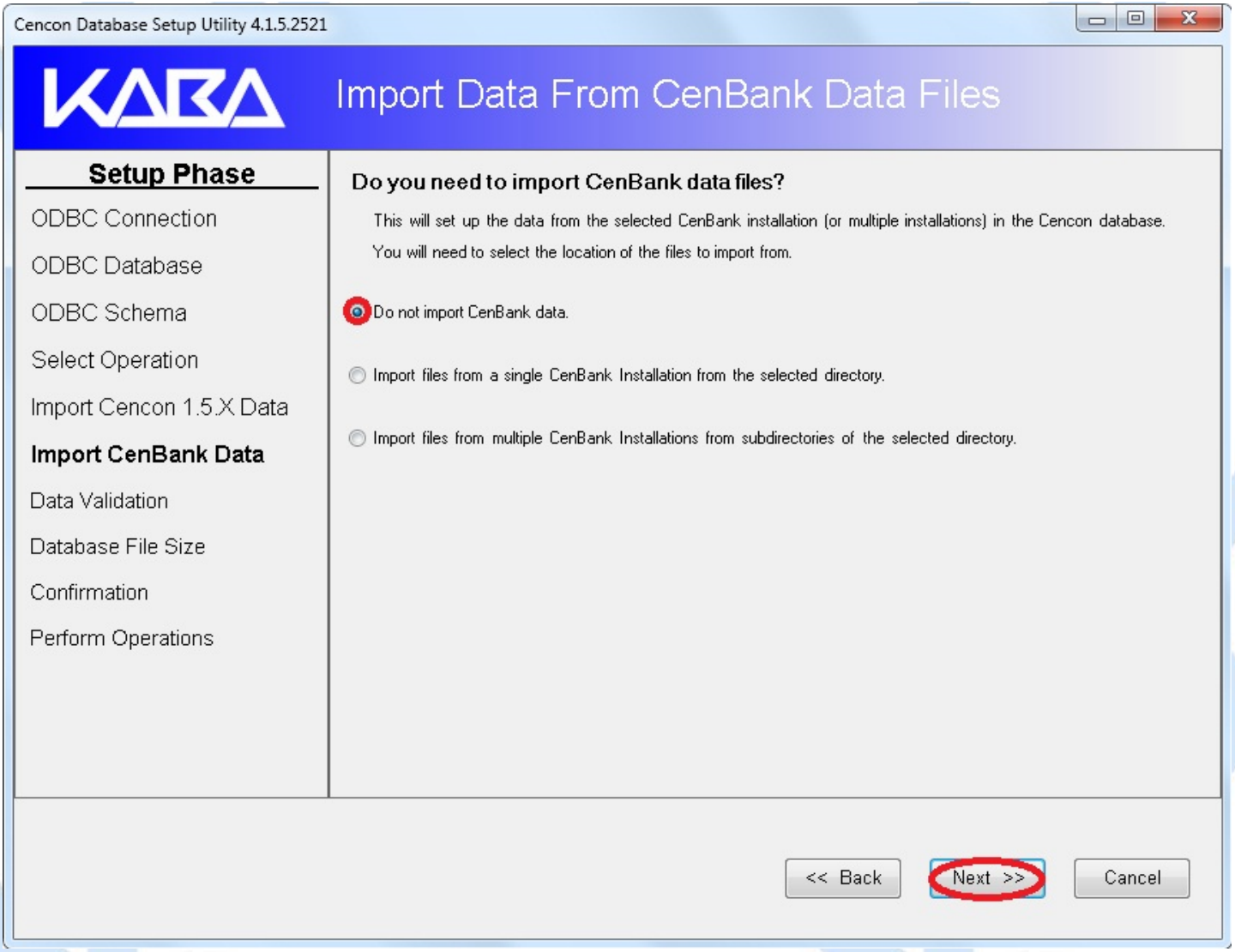


If you have data to import from 1.5 versions of Cencon Click the check box > Enter or browse to the 1.5 Cencon data. Select what files you want imported

5a.Click Next >



6.If not importing data click Next > If you have Cenbank data to import see next screen

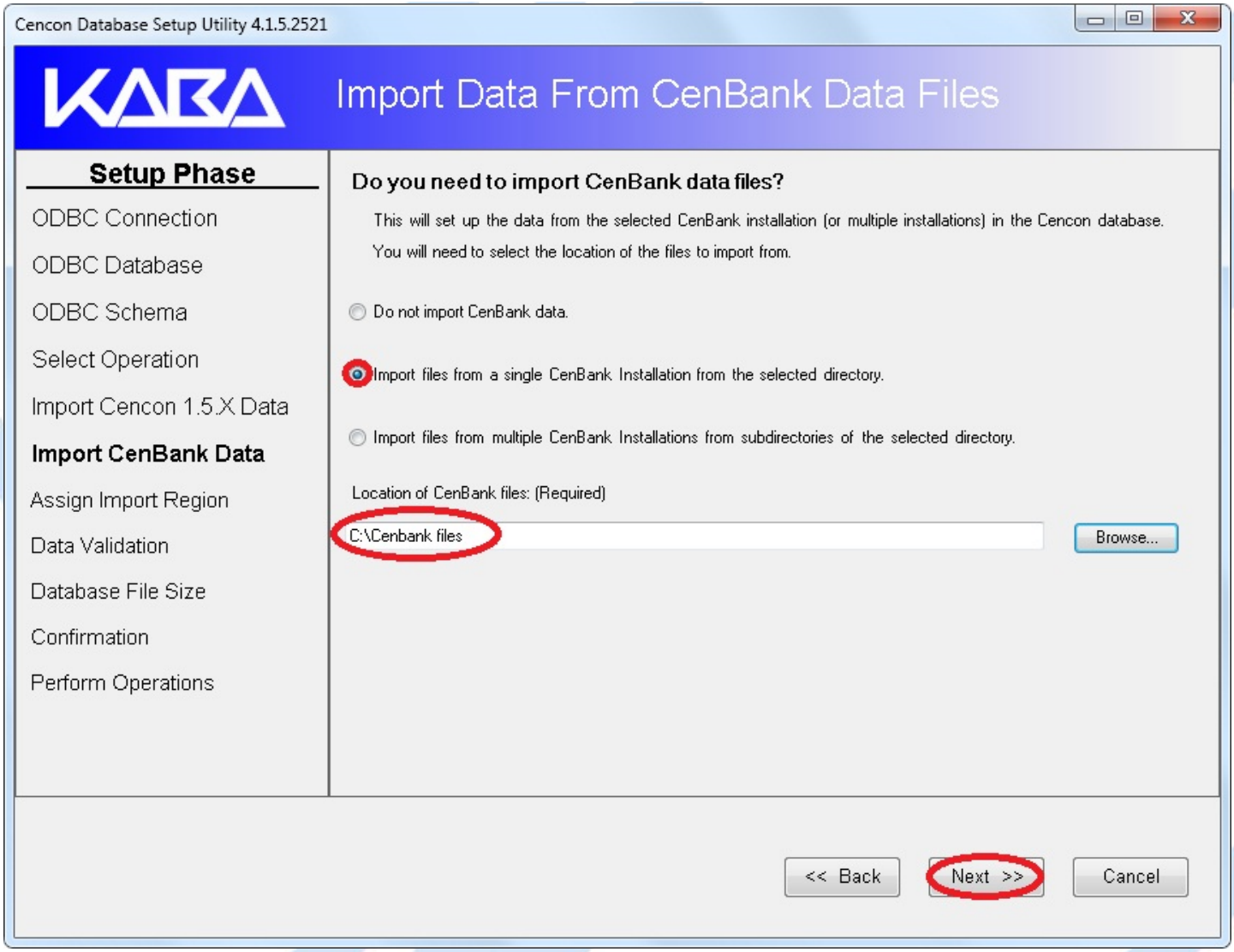


If you have data to import from Cenbank

Click the check box for single or multiple Cenbank systems >

Enter or browse to the Cenbank data

6a. Click Next >

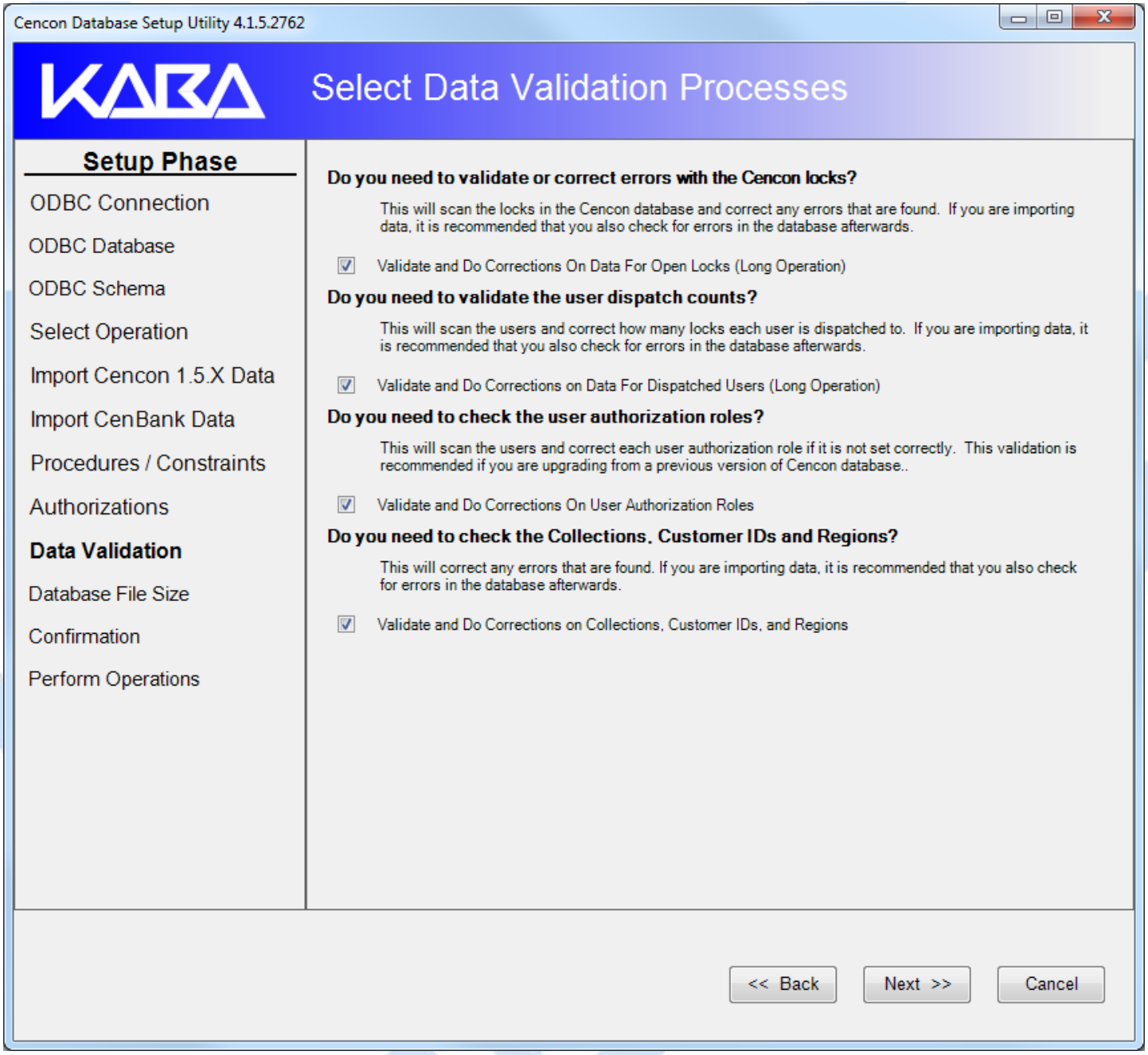


Important Note

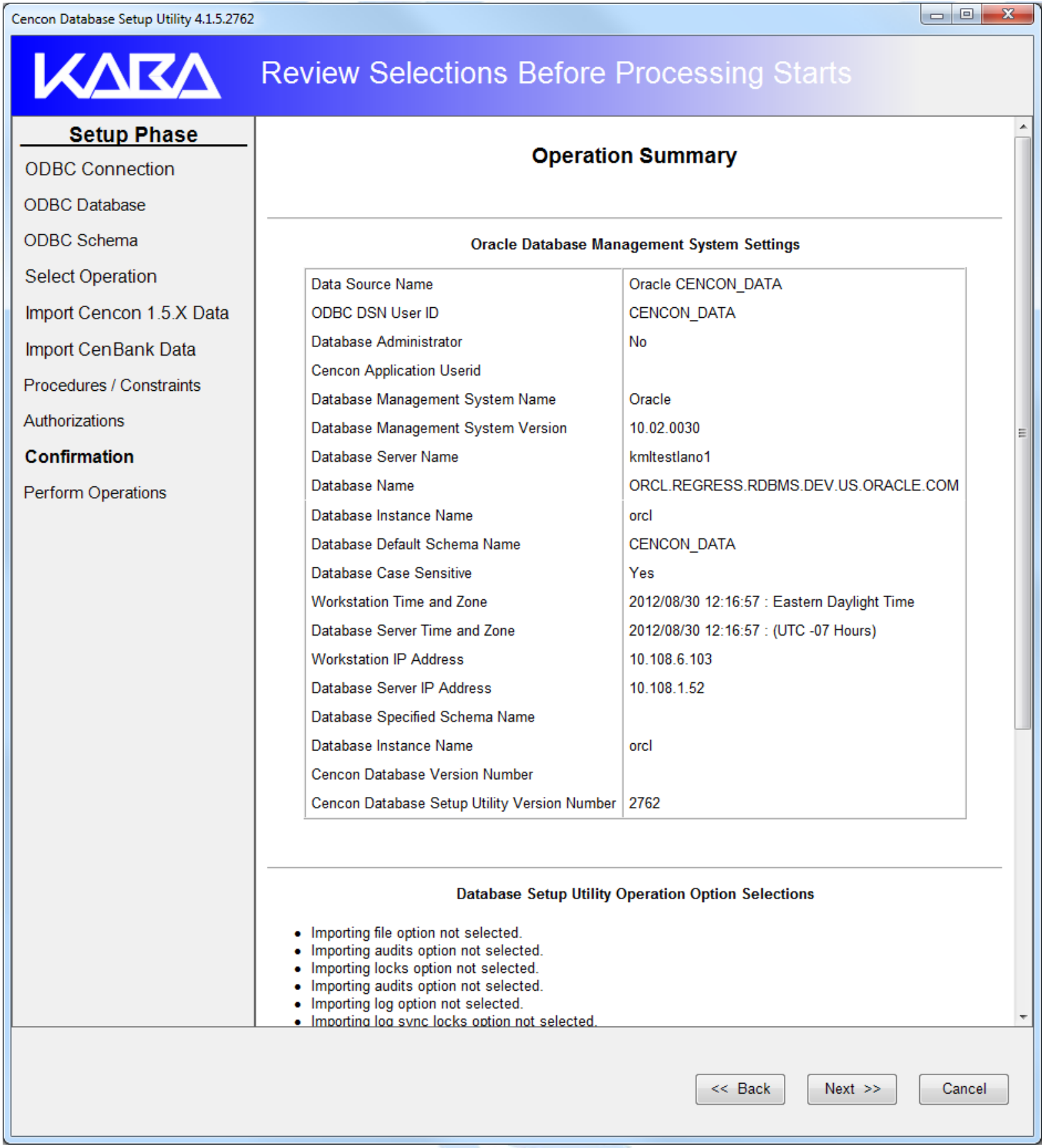
If Not importing data Verify all check boxes are unchecked when creating a database.
If importing data these boxes will be grayed out and mandatory.

7. Click Next >

You will see this screen only if you are upgrading an existing Cencon database. Otherwise you will see the screen in step 8.

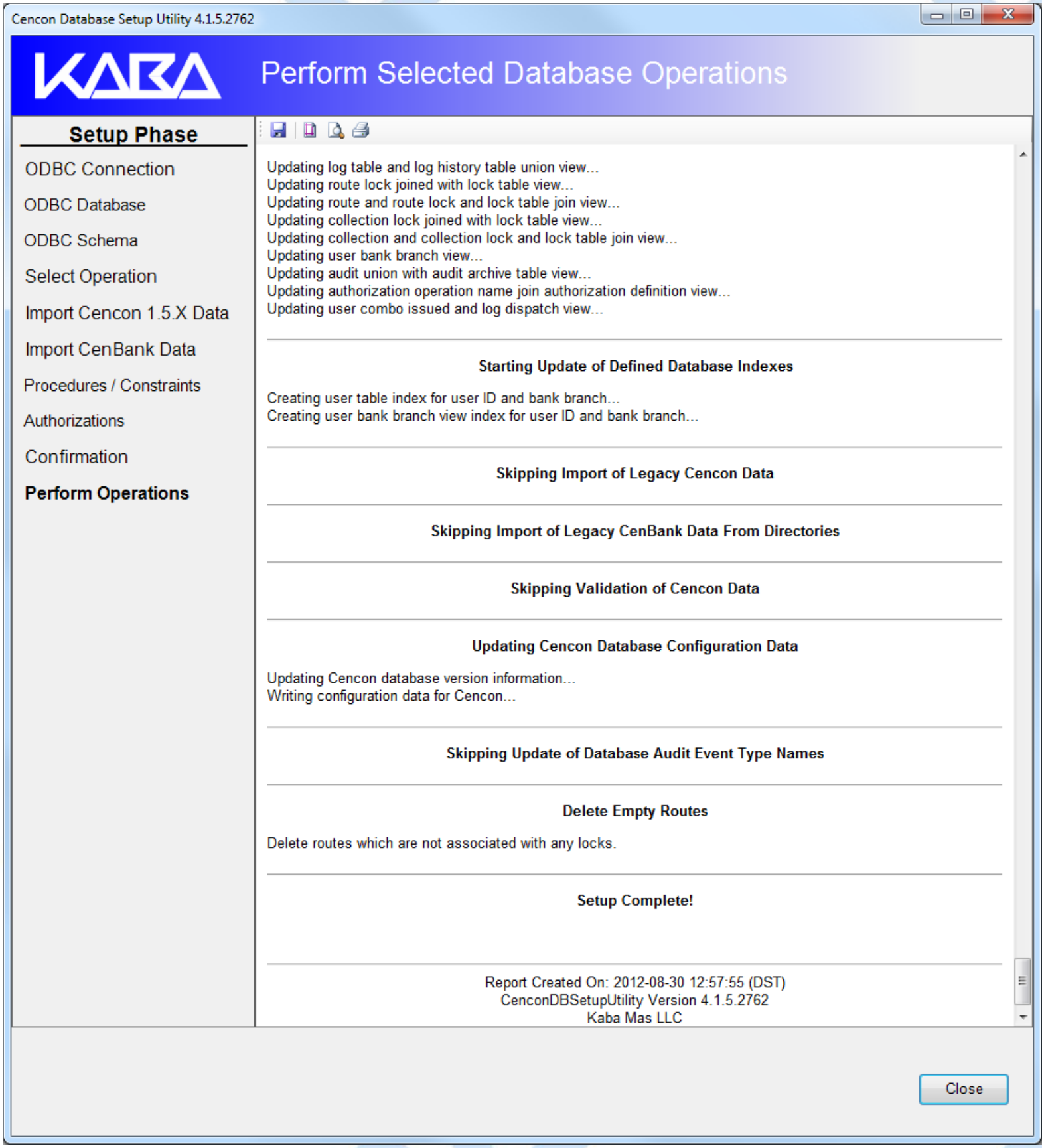


8. Click Next > This is a summary of information and processes to be performed by the utility.

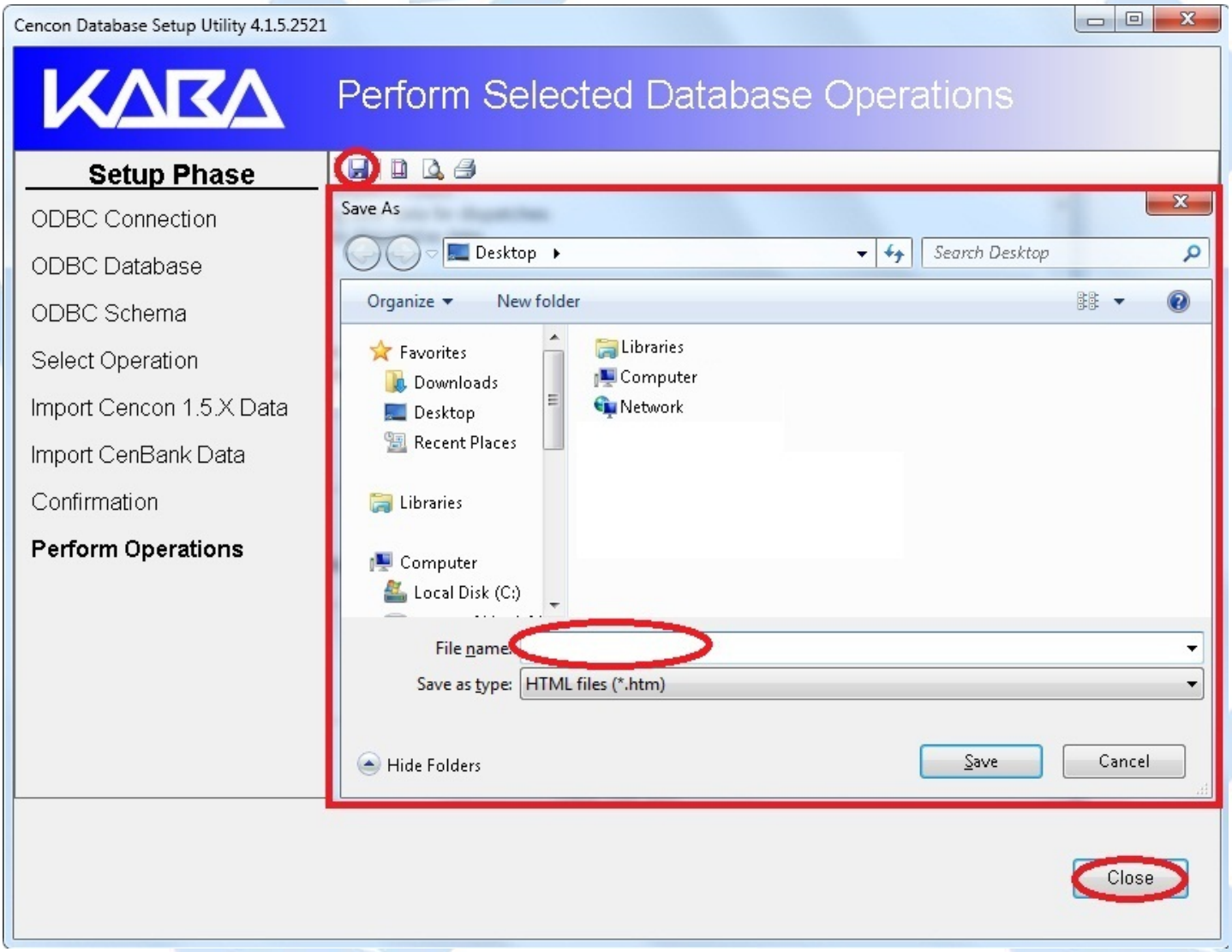


9. Click the Next > to perform the database installation.

This creates the databases, stored procedures, indexes, and constraints for Cencon. This may take several minutes depending on the performance of your database and if you are upgrading a previous version of Cencon database.



10. Click the Save icon to save the HTML installation report for later review.



11. Click Close to close the Cencon® 4.1.5 Database Setup Utility.

© 1996-2013 Kaba Mas LLC

The Cencon® 4.1.5 Database Setup Utility option to update a database adds any deleted tables, rebuilds stored procedures, and rebuilds constraints that Cencon® 4.1.5 will utilize.

Caution
The Cencon® 4.1.5 Database Setup Utility should be run on the same machine where the DBMS is located to maximize performance.

Select Set Up Cencon Database to launch the CenconDBSetupUtility.exe.

NOTE: The CenconDBSetupUtility.exe can also be launched manually by browsing the install source (DVD, USB drive, or download) to the correct folder based on your operating system:

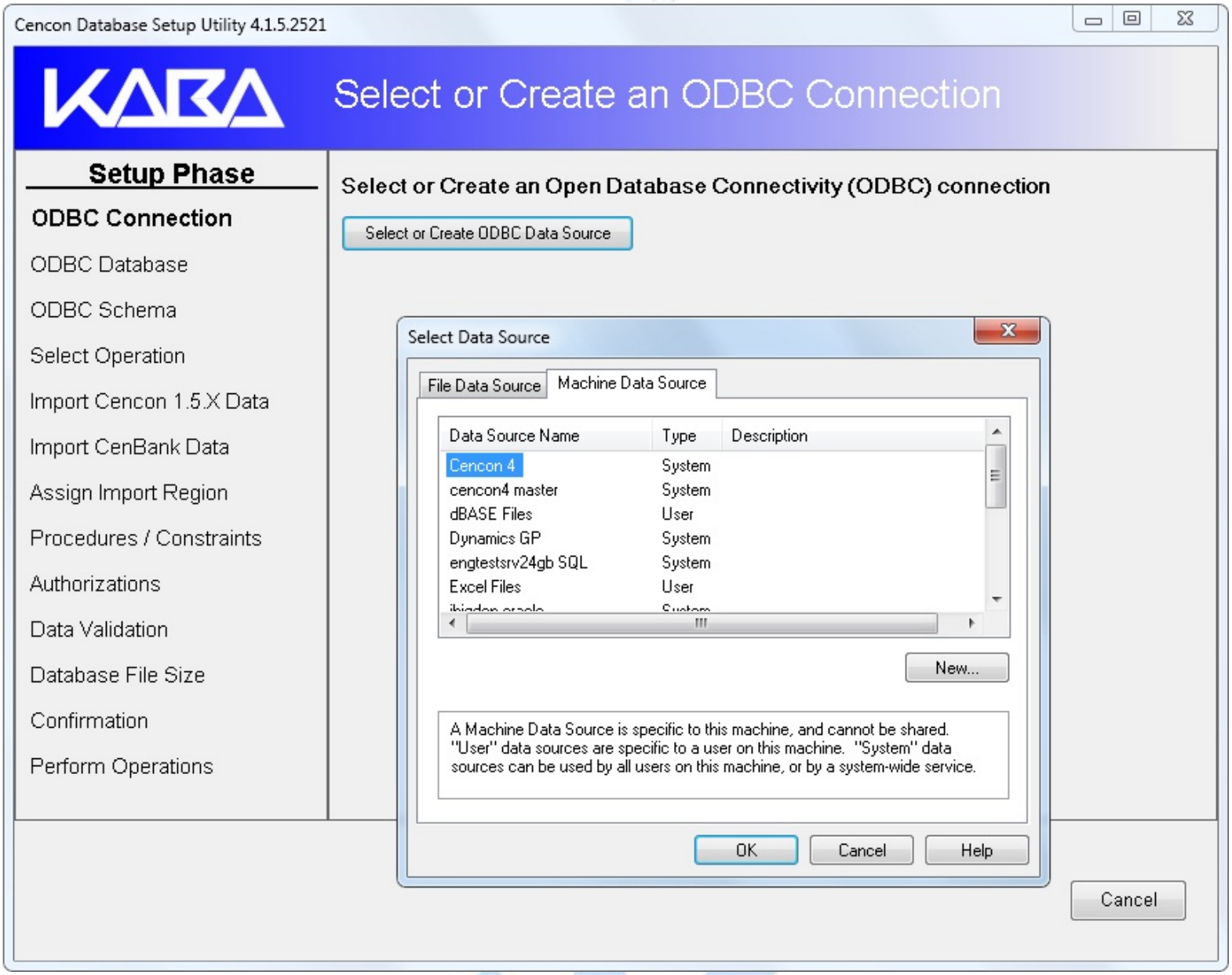
- **DBSetupUtility\Windows_32bit\CenconDBSetupUtility.exe, or**
- **DBSetupUtility\Windows_64bit\CenconDBSetupUtility.exe**

1. Click Set Up Cencon Database >

Note

The ODBC can only be a Machine Data Source and a user with SYSDBA privileges must be used to create the database.

2. Click Select ODBC Data Source > Select the Machine Data Source tab.



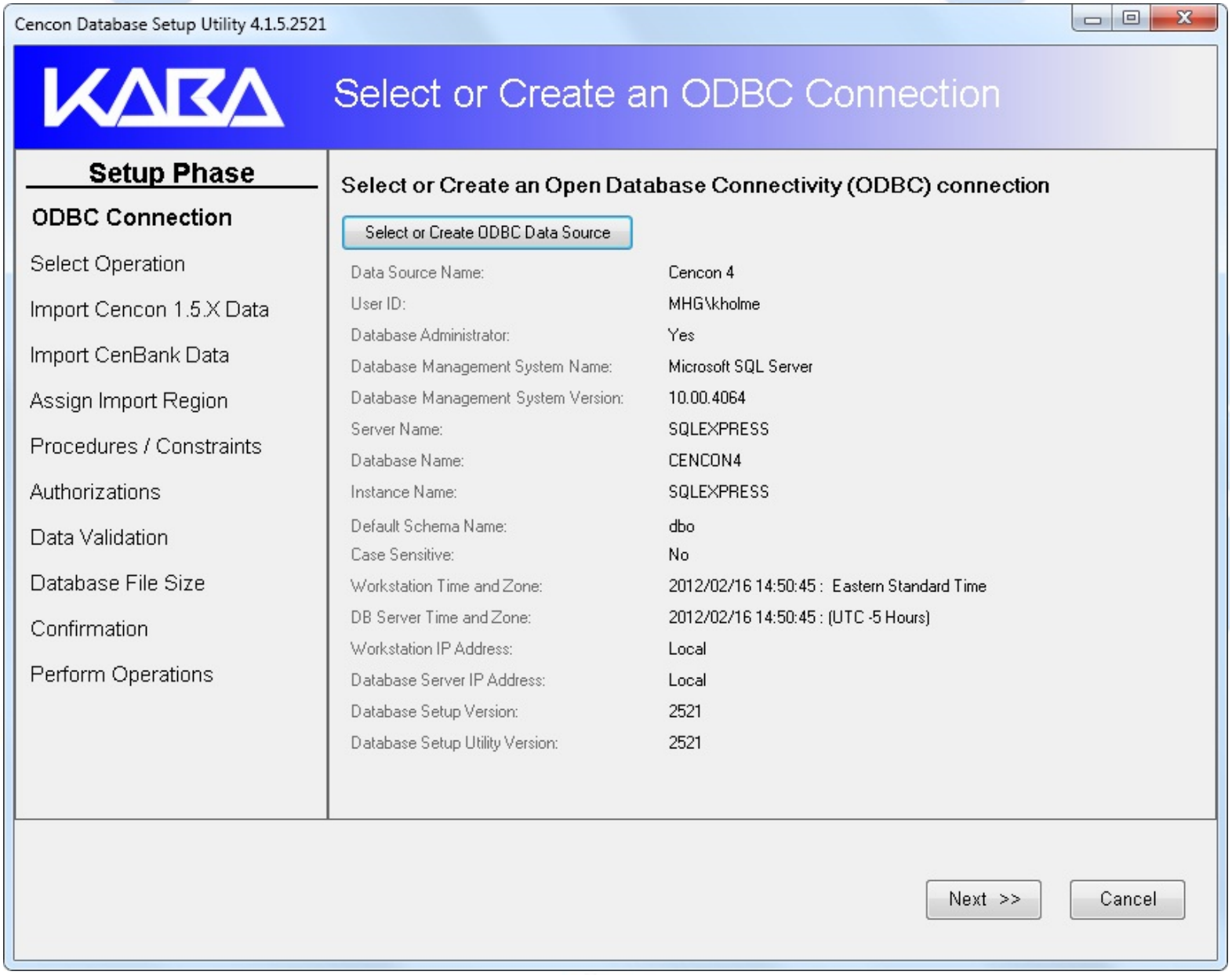
Note

When selecting an ODBC connection may take a moment to load Data Source information

Caution

The Cencon® 4.1.5 Database Setup Utility should be run on the same machine where the DBMS is located to maximize performance.

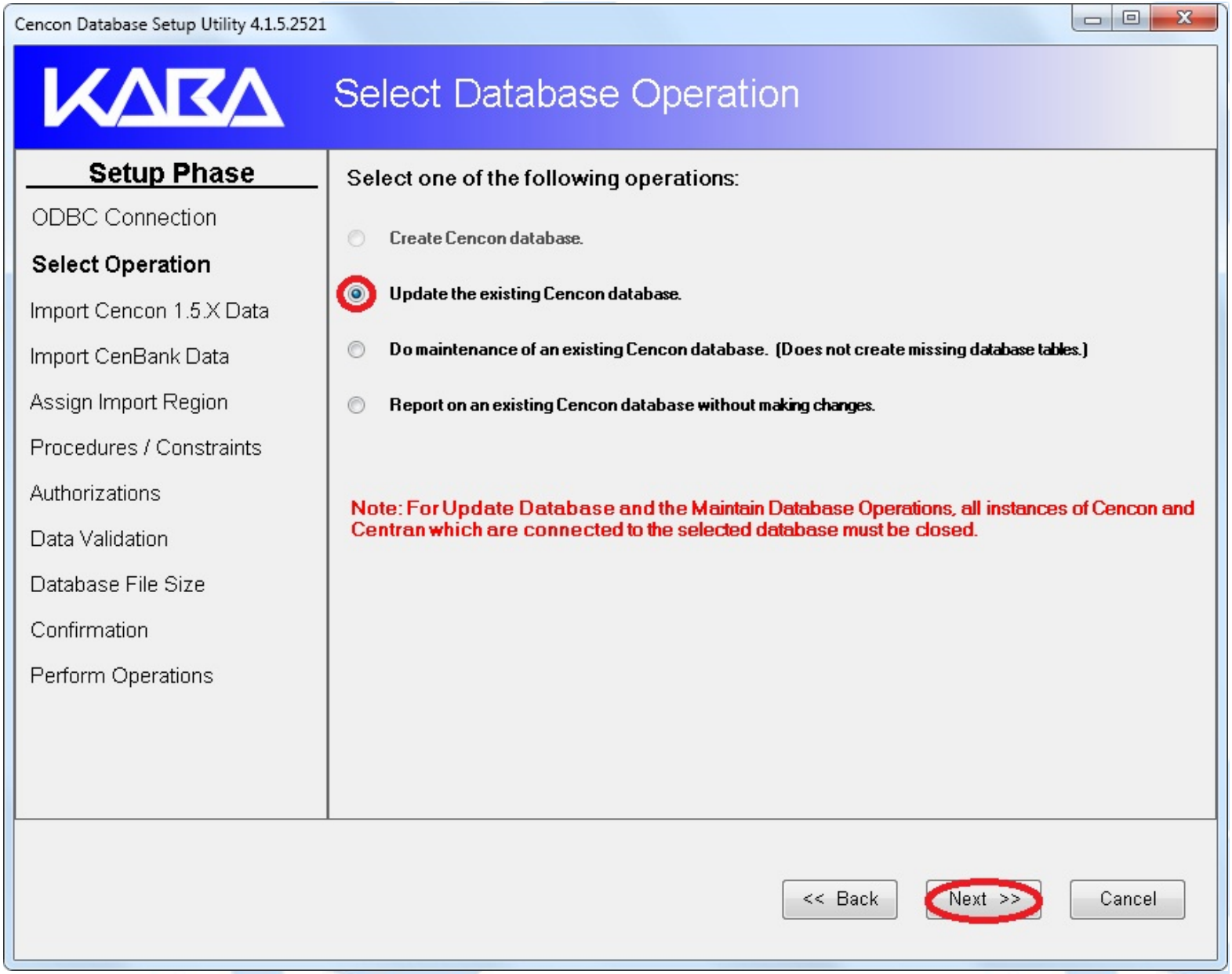
3. Review Data then Click Next



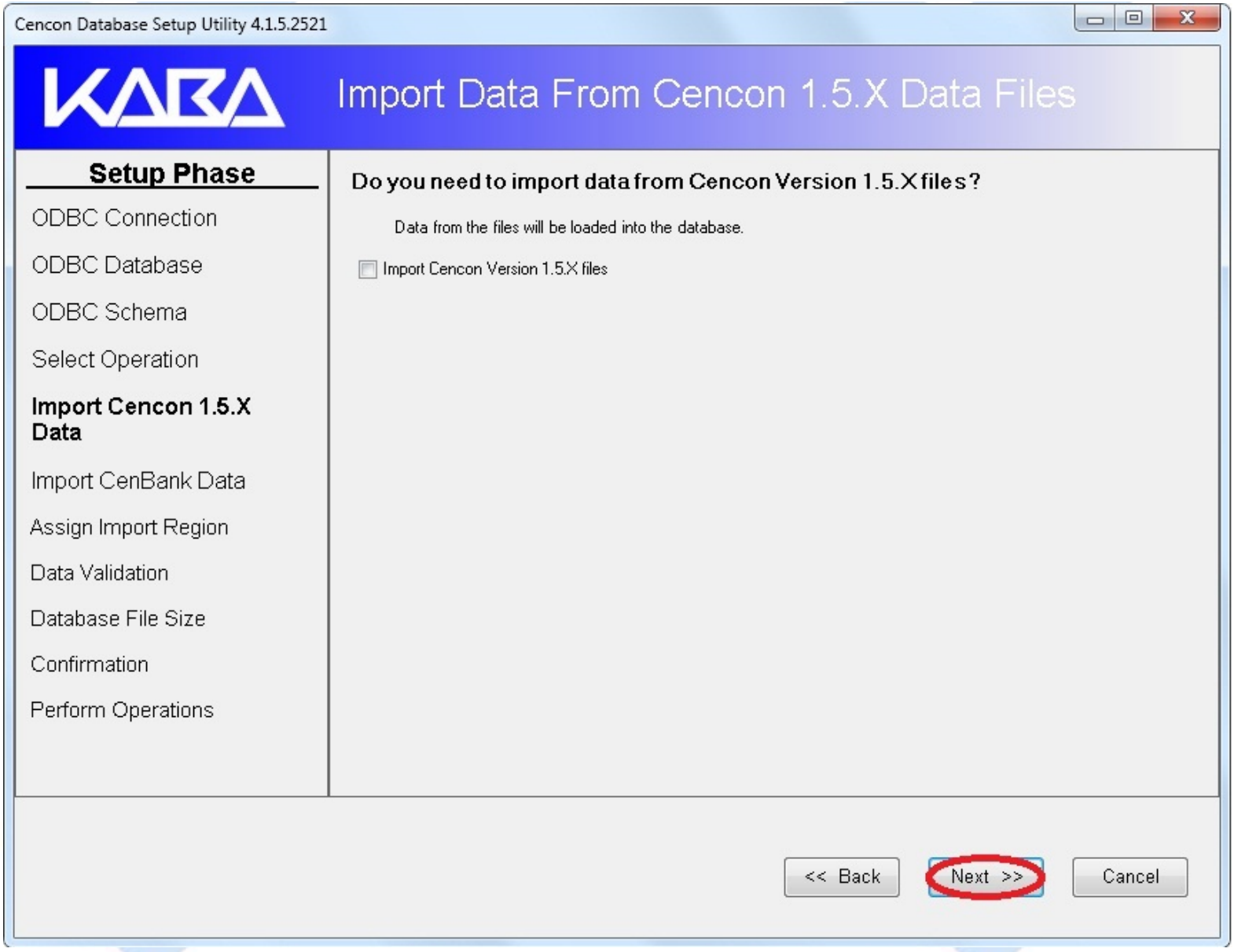
Note

The Cencon® 4.1.5 Database Setup Utility now reviews the ODBC connection and only allows an Operation that is available for that connection.

4. Click Update and Click Next >



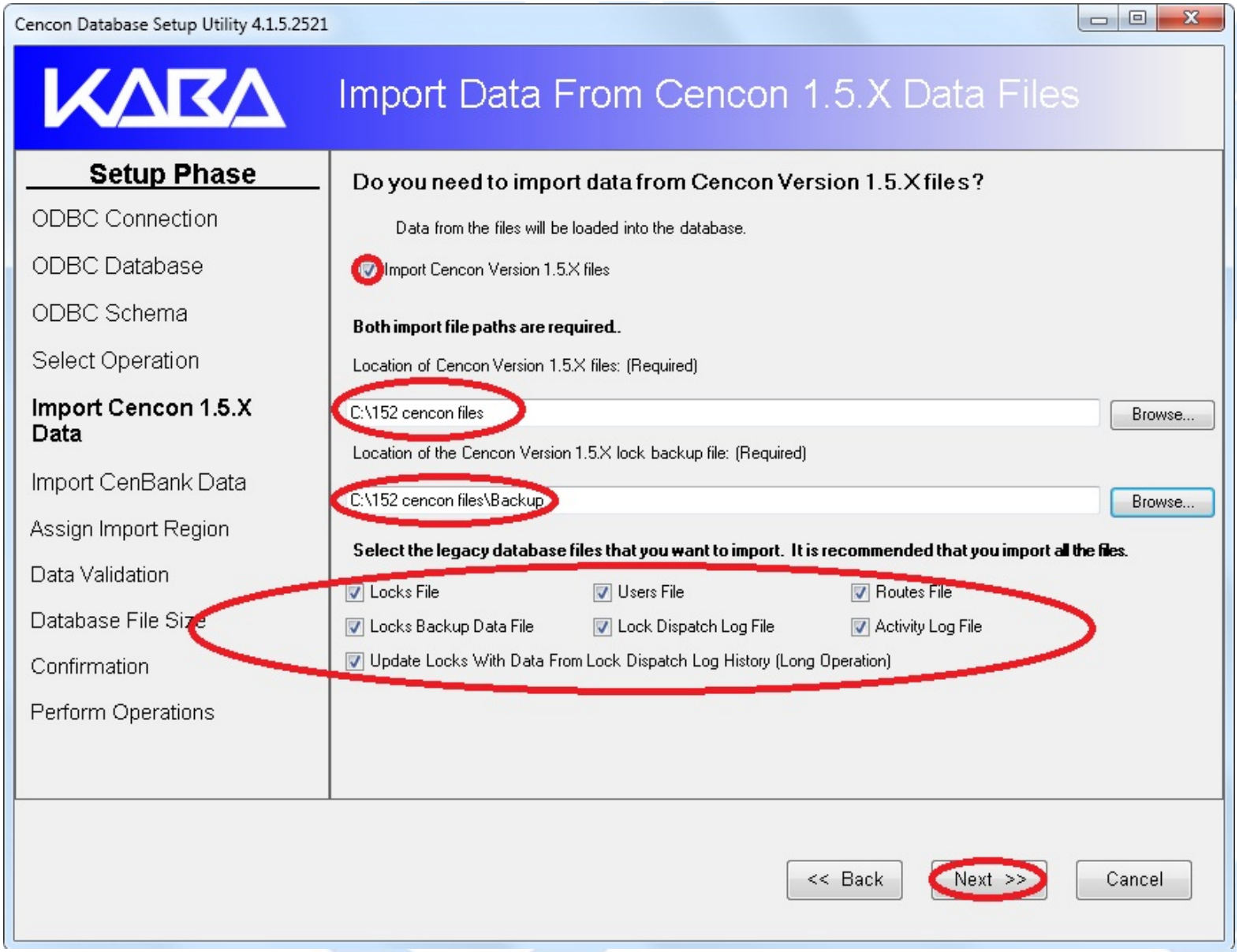
5. If not importing data click Next > If you have 1.5 version data to import see next screen



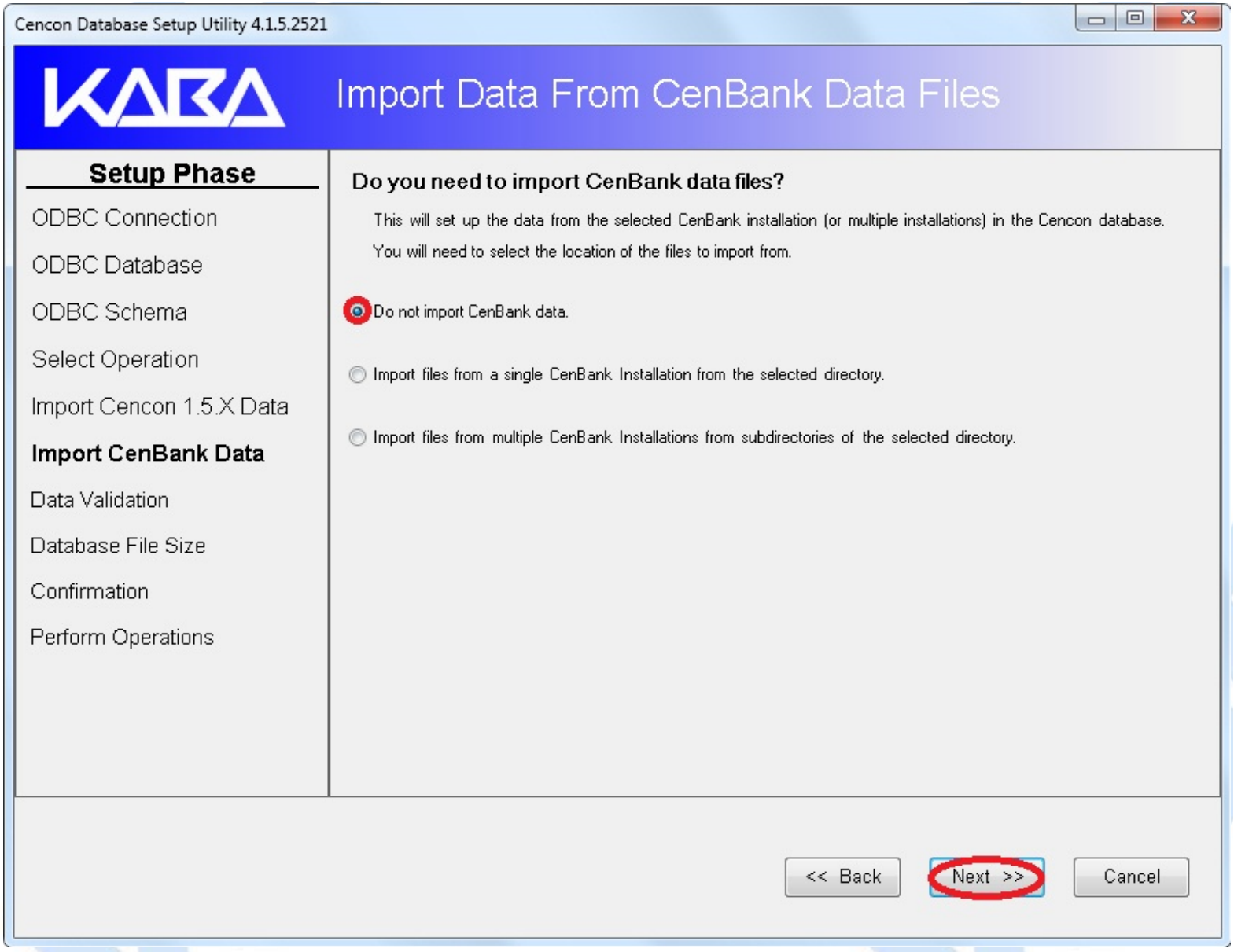
If you have data to import from 1.5 versions of Cencon

Click the check box > Enter or browse to the 1.5 Cencon data. Select what files you want imported

5a. Click Next >



6. If not importing data click Next > If you have Cenbank data to import see next screen

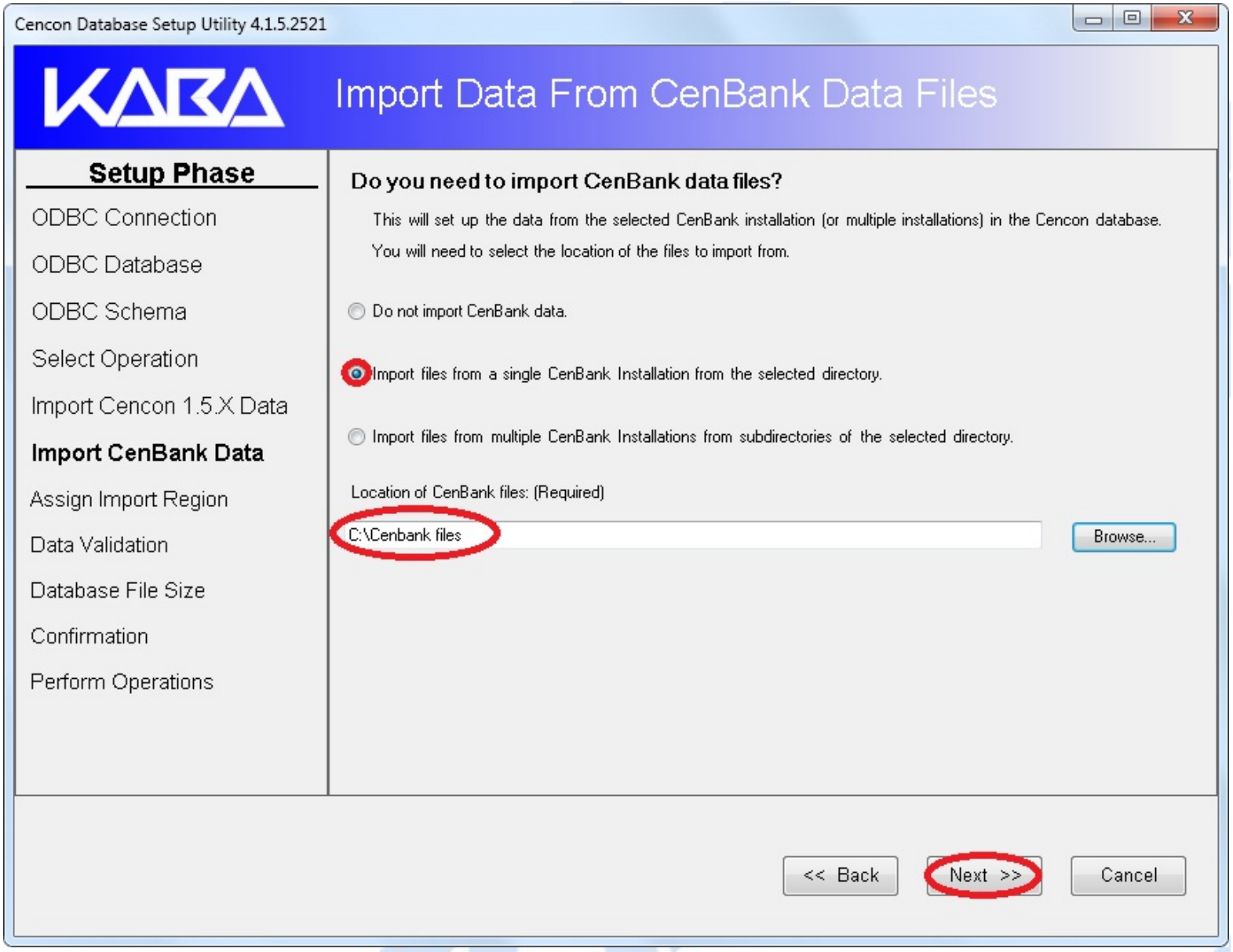


If you have data to import from Cenbank

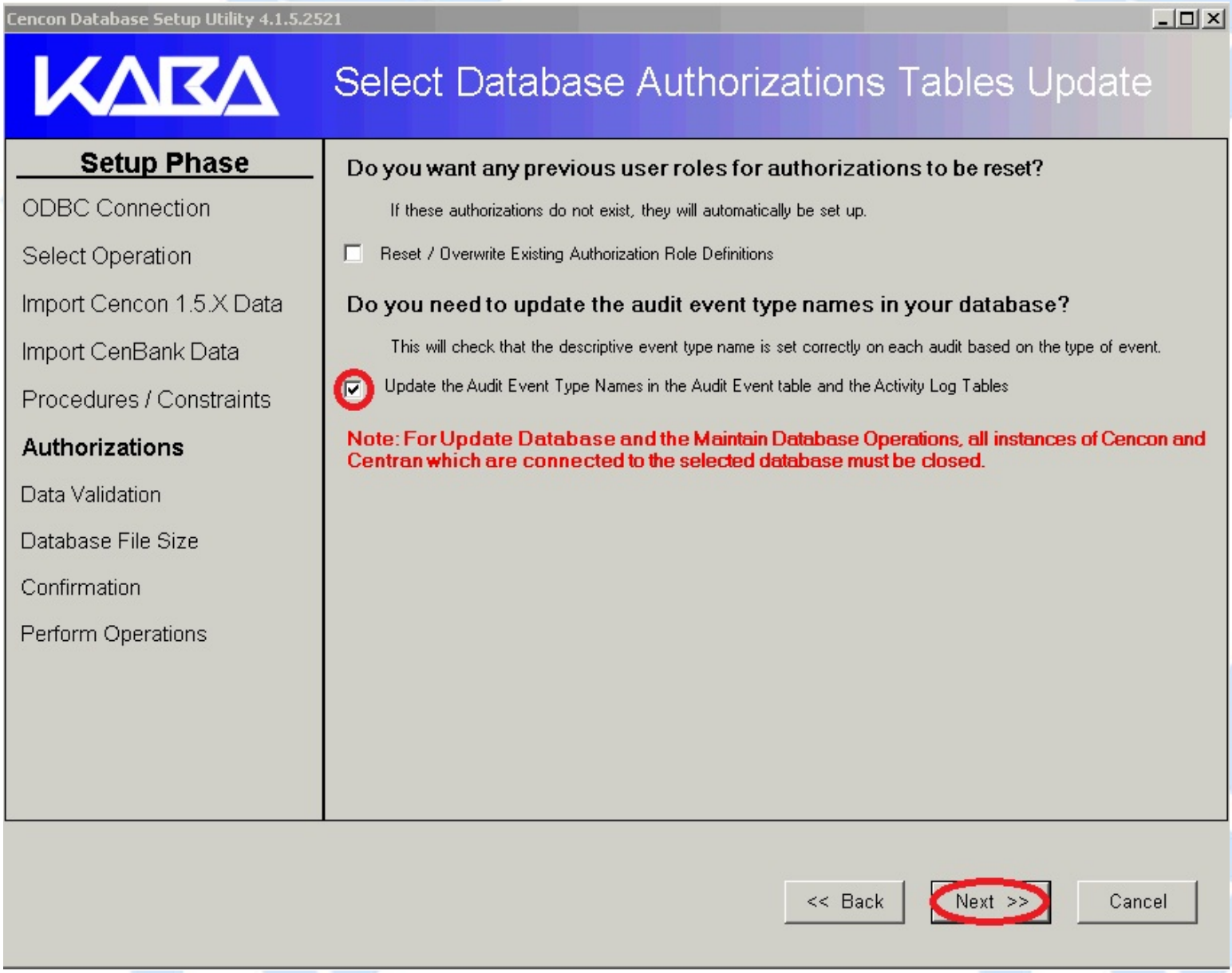
Click the check box for single or multiple Cenbank systems >

Enter or browse to the Cenbank data

6a. Click Next >



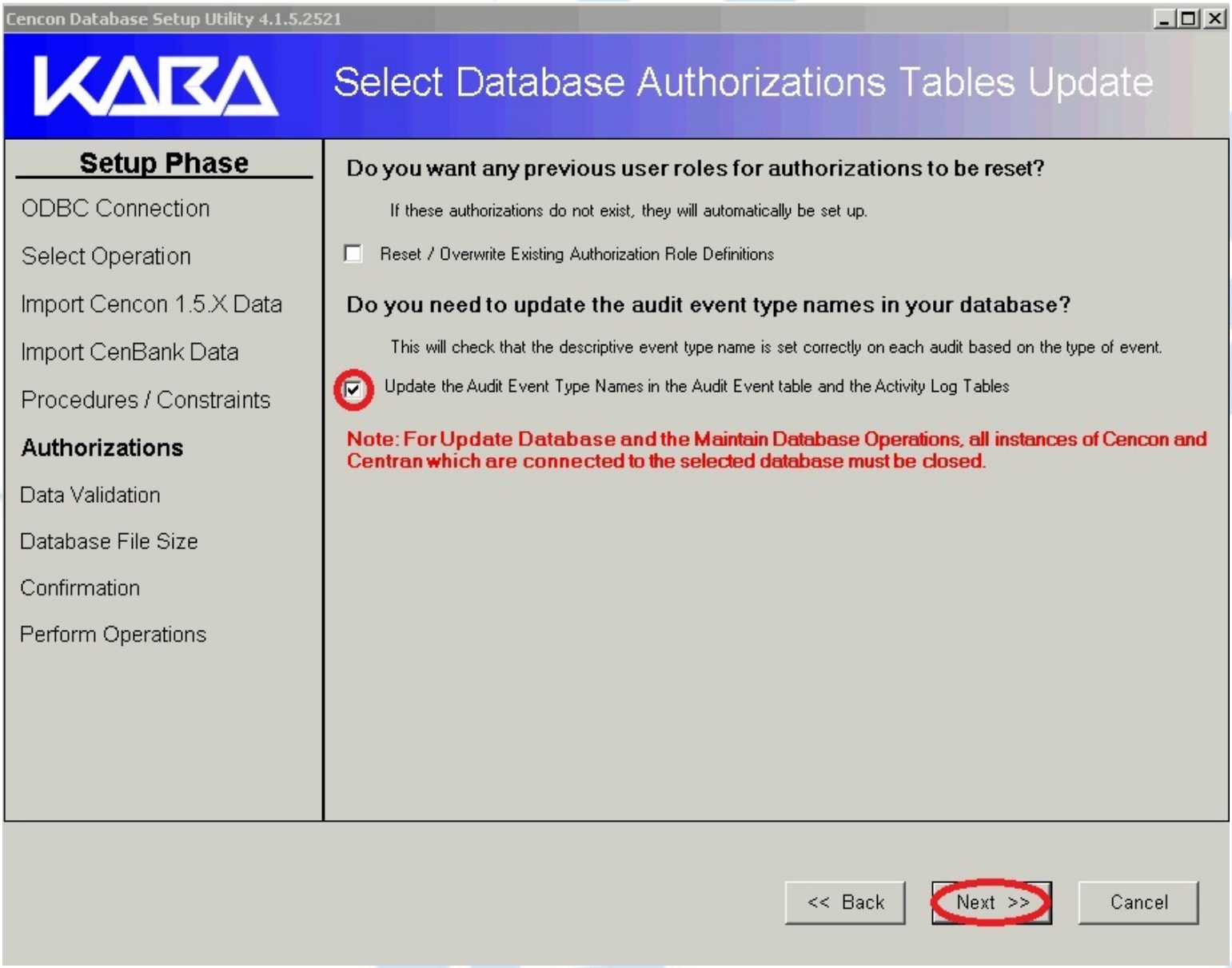
7. Click Next > This will update procedures, constraints, triggers, indexes, and column widths.



Warning
This feature will delete any roles that have been created by the end user and will reset the table to factory settings.

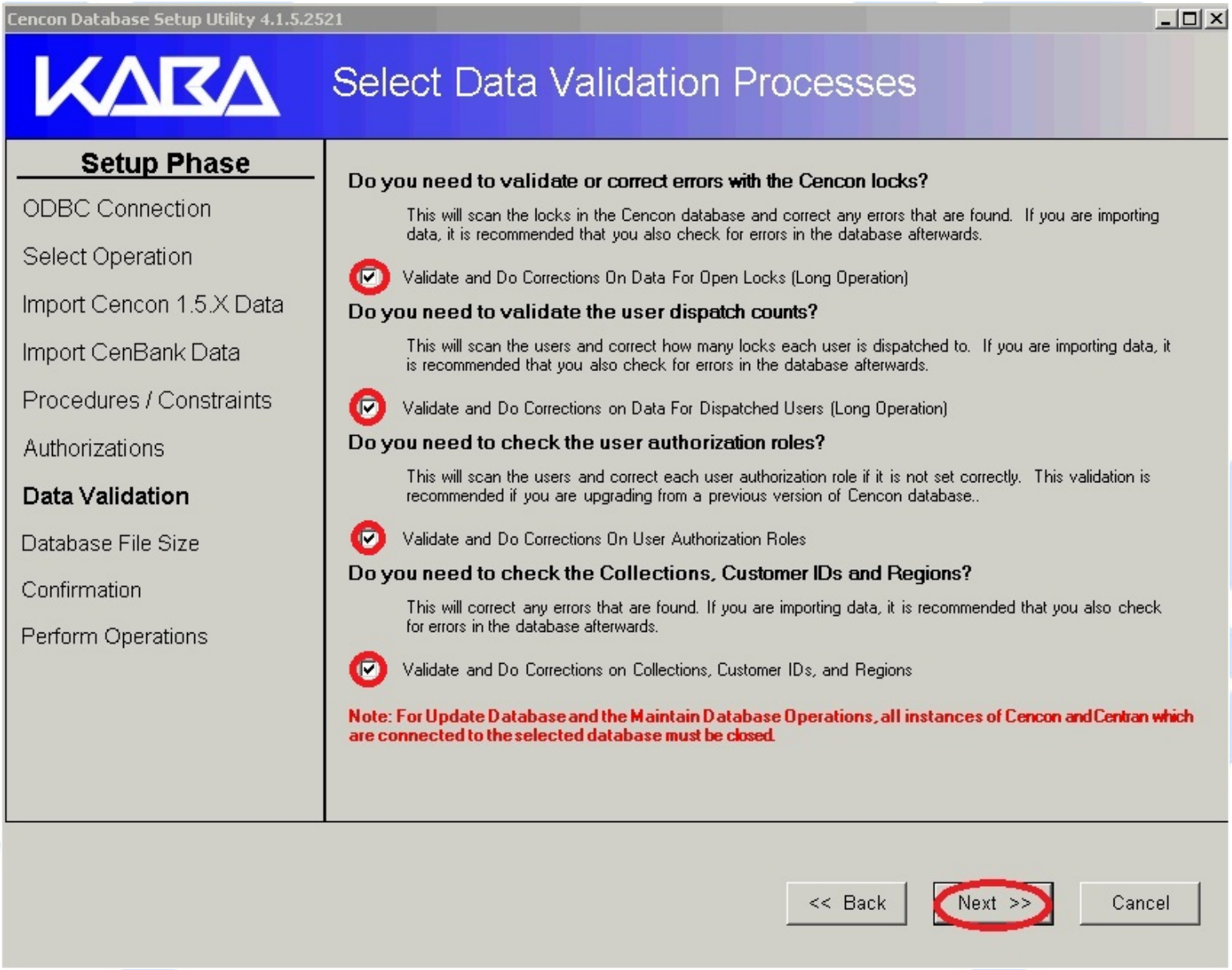
Note
Check the box in the event the defaults have been modified from the defaults.

8. Click Next >



Warning
To validate the data check the boxes. This process will take time depending on the amount of data being processed. Cencon® and Centran® cannot be used while the Cencon® 4.1.5 Database Setup Utility running.

9. Click Next >

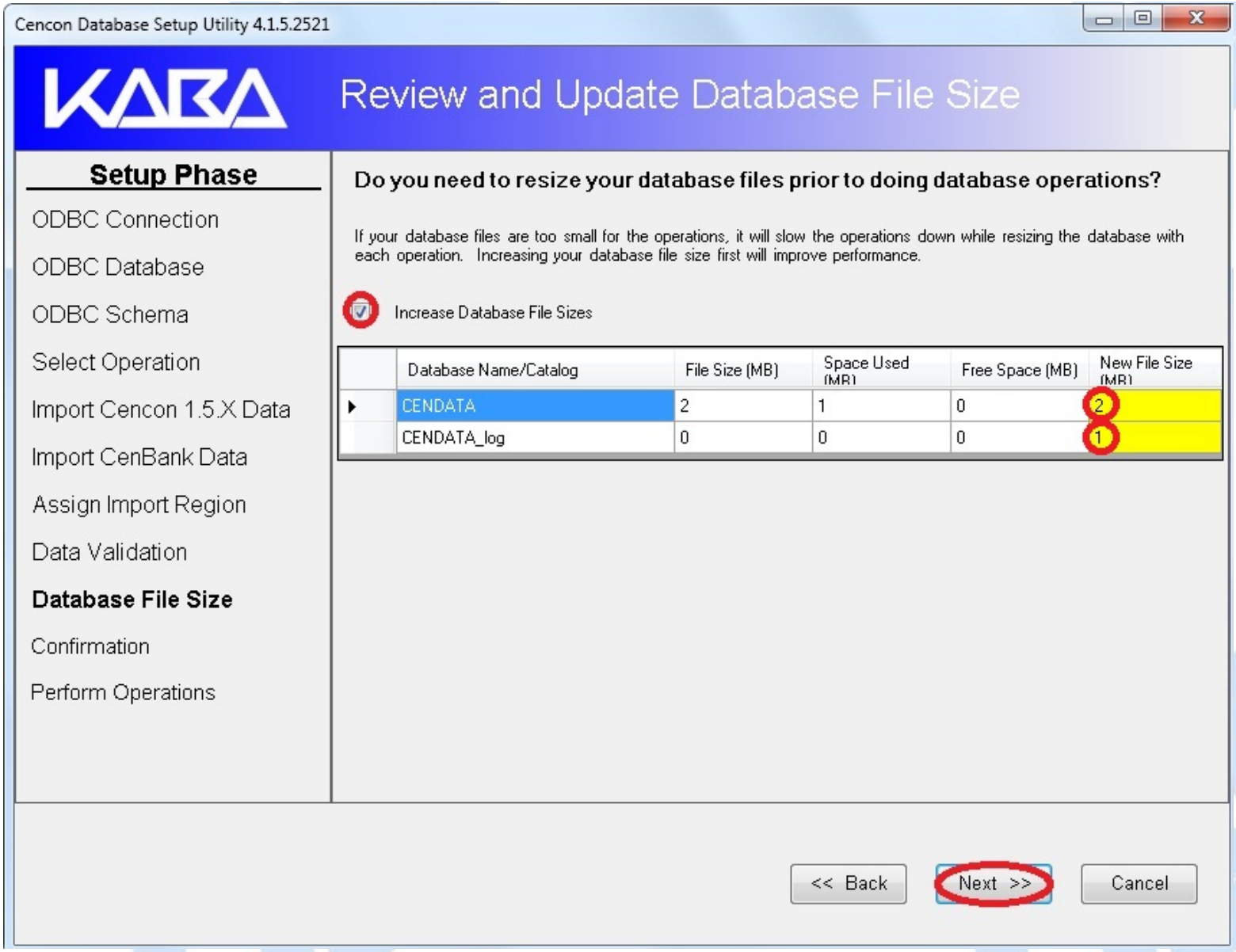


Important Note
The purpose for resizing is when importing legacy data the DBMS transaction log may reach its restricted file growth. Increasing the size removes this concern of repeated auto growth. **If this is a new database setup this is not required.**

10. Click Next >

This page will increase size of files to increase the speed if needed when processing multiple transactions

This is percentage base calculation. You can edit the size by overwriting the new file size.

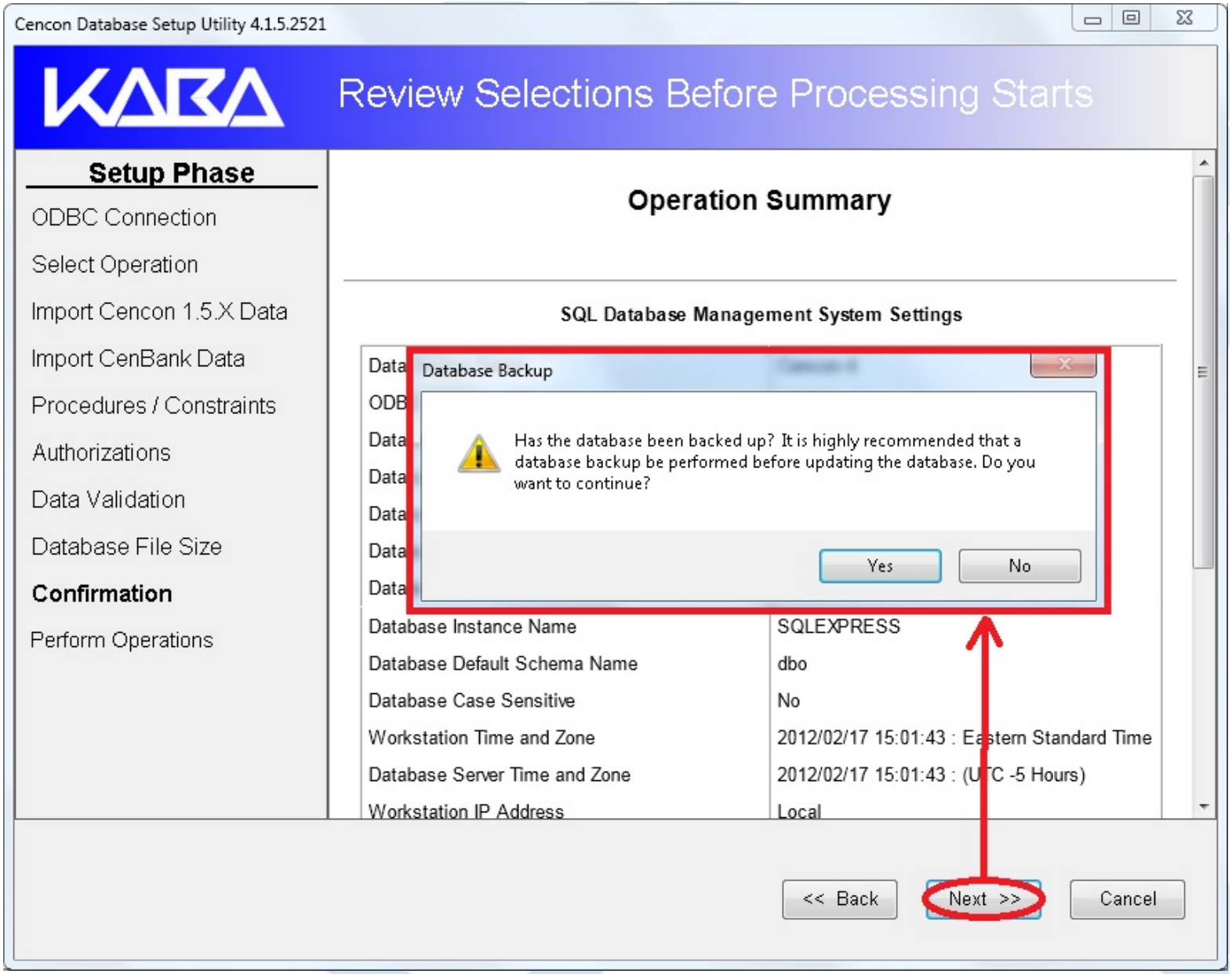


Warning
The Cencon Database should always be backed up regularly. Review DBMS website for back up methodology.

11. Click Next > This is a summary of information and processes to be performed by the utility.

A warning to backup data before processing.

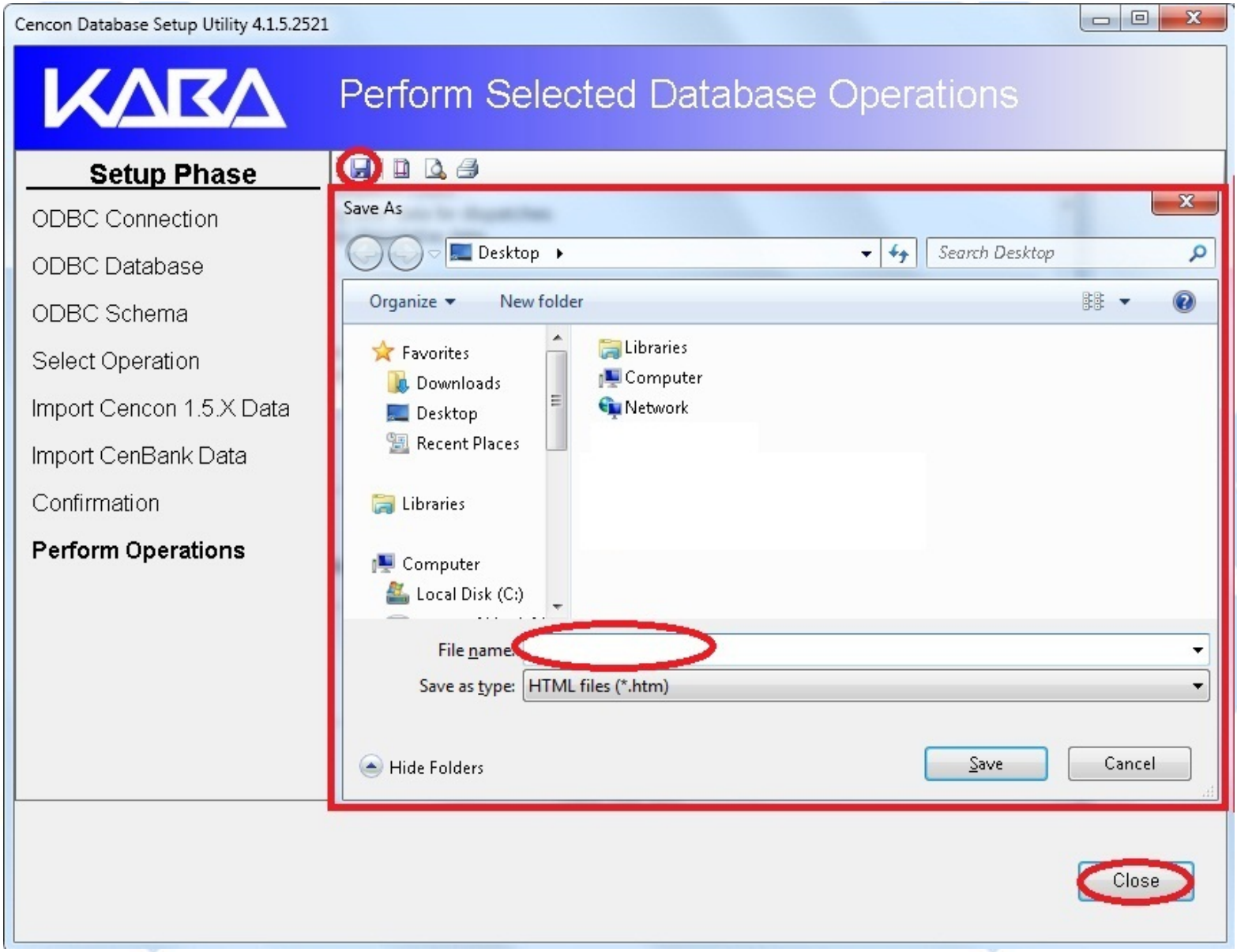
Click Yes > to proceed or No to make a backup through your DBMS Interface.



12. Click the Next > to perform the database Update. This updates the databases, stored procedures, indexes, and constraints for Cencon.

Click the Save icon to save the HTML update report for later review.

Click Close > close the Cencon® 4.1.5 Database Setup Utility



© 1996-2013 Kaba Mas LLC

The Cencon® 4.1.5 Database Utility option for Maintenance rewrites procedures, constraints, triggers, indexes, and column widths that Cencon® 4.1.5 will Utilize. Only the Update will add missing tables.

Caution
The Cencon® 4.1.5 Database Setup Utility should be run on the same machine where the DBMS is located to maximize performance.

Select Set Up Cencon Database to launch the CenconDBSetupUtility.exe.

NOTE: The CenconDBSetupUtility.exe can also be launched manually by browsing the install source (DVD, USB drive, or download) to the correct folder based on your operating system:

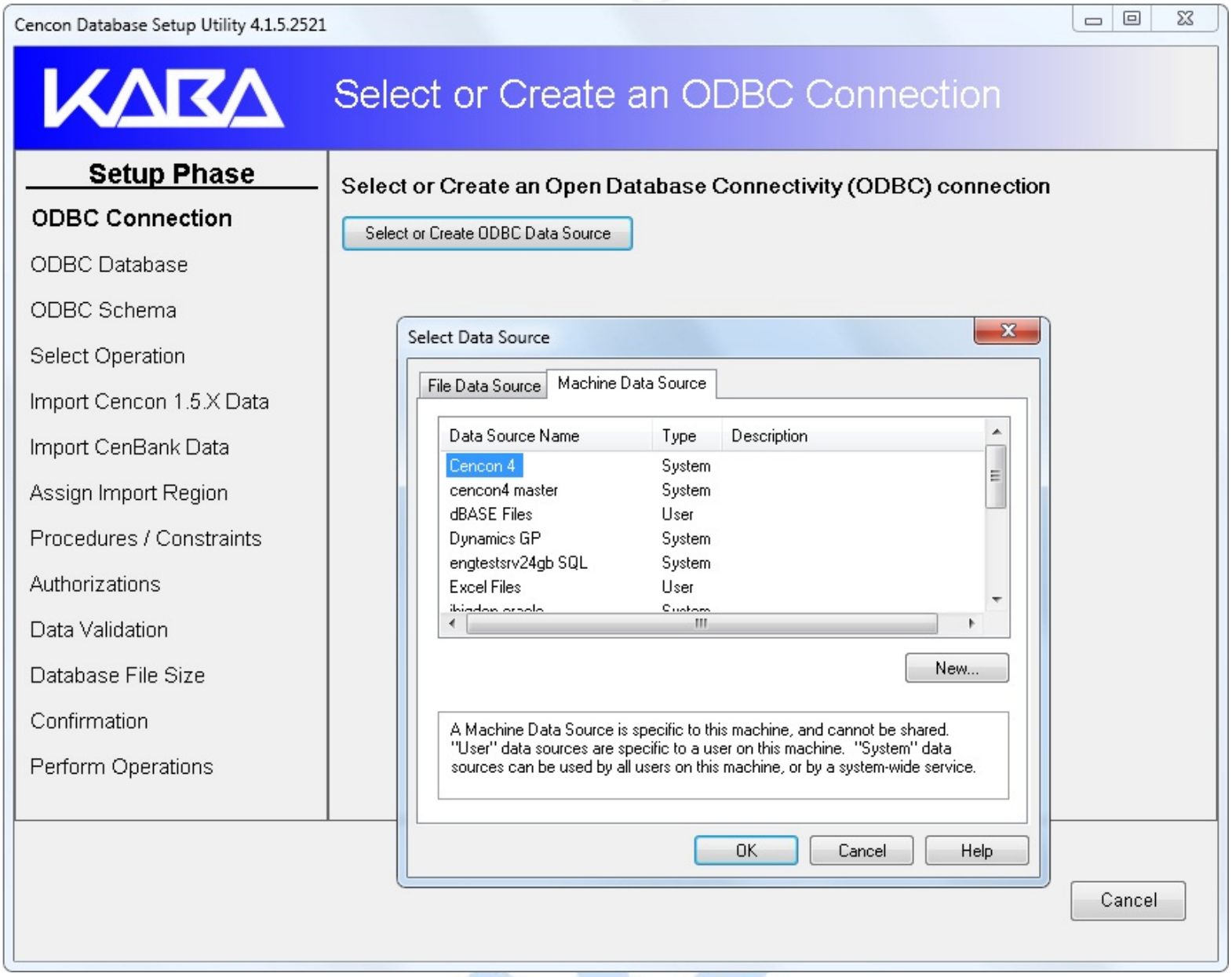
- **DBSetupUtility\Windows_32bit\CenconDBSetupUtility.exe, or**
- **DBSetupUtility\Windows_64bit\CenconDBSetupUtility.exe**

1. Click Set Up Cencon Database >

Note

The ODBC can only be a Machine Data Source and a user with SYSDBA privileges must be used to create the database.

2. Click Select ODBC Data Source > Select the Machine Data Source tab.



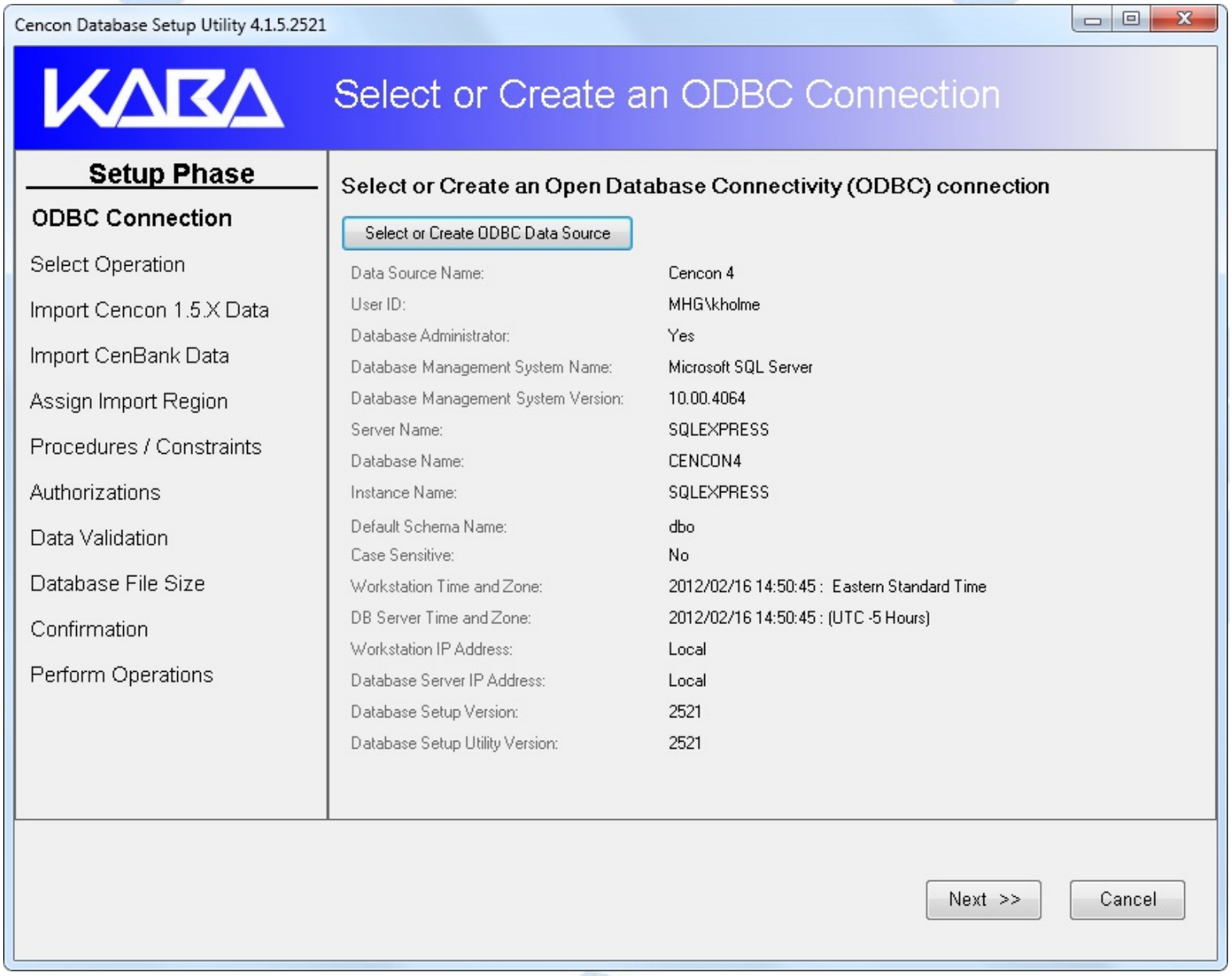
Note

When selecting an ODBC connection may take a moment to load Data Source information

Caution

The Cencon® 4.1.5 Database Setup Utility should be run on the same machine where the DBMS is located to maximize performance.

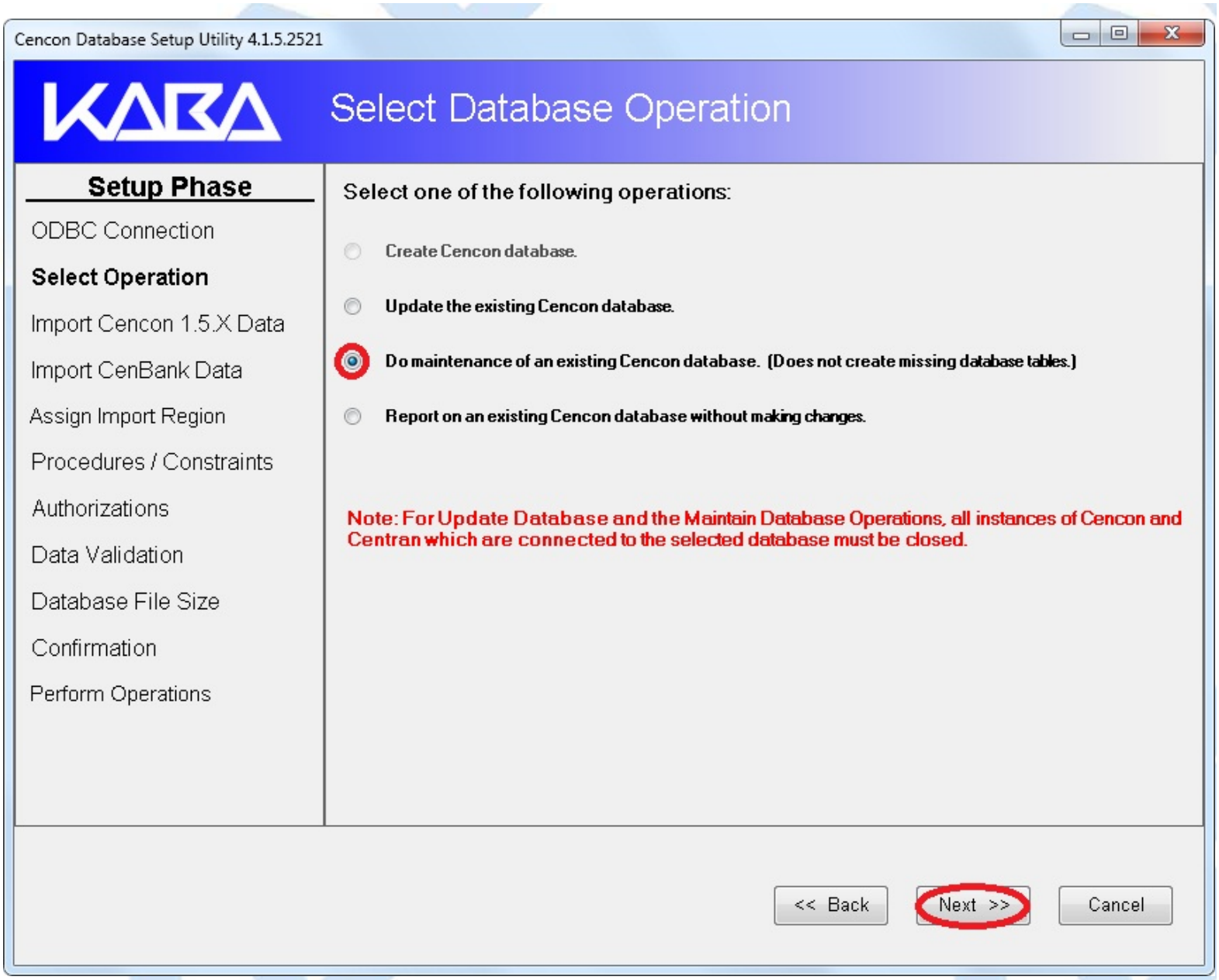
3. Review Data then Click Next



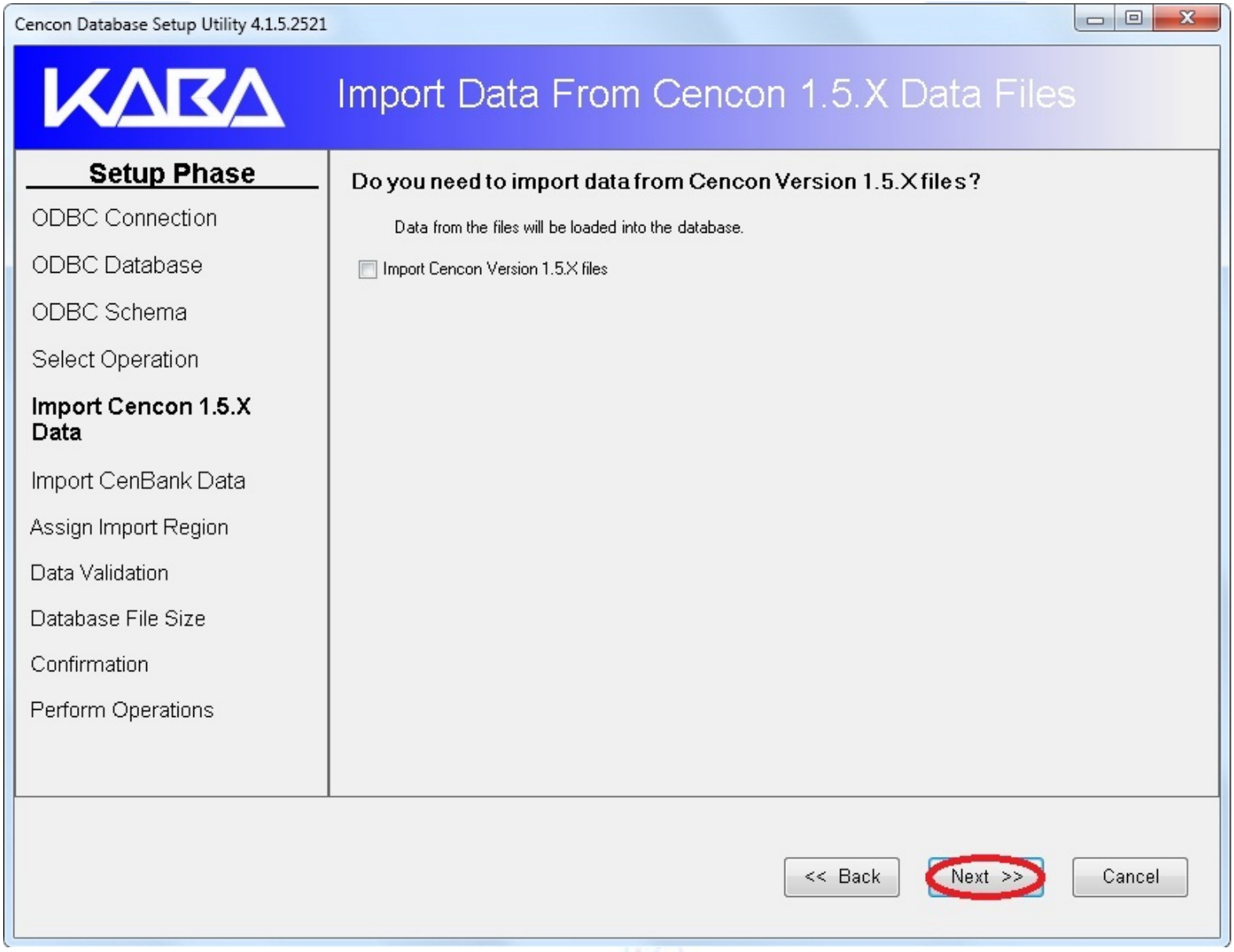
Note

The Cencon Database Utility now reviews the ODBC connection and only allows an Operation that is available for that connection.

4. Click Maintenance and Click Next >



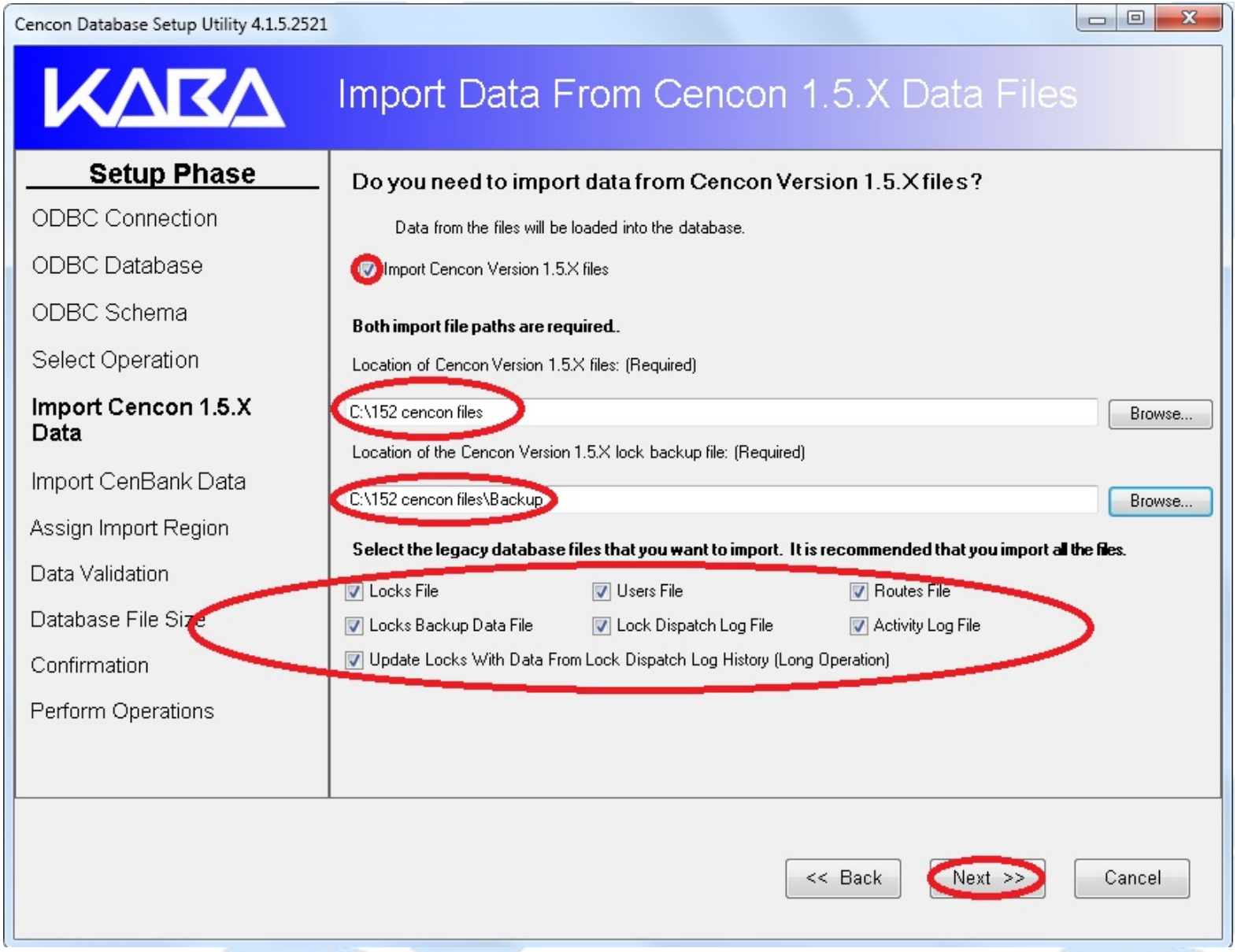
5. If not importing data click Next > If you have 1.5 version data to import see next screen



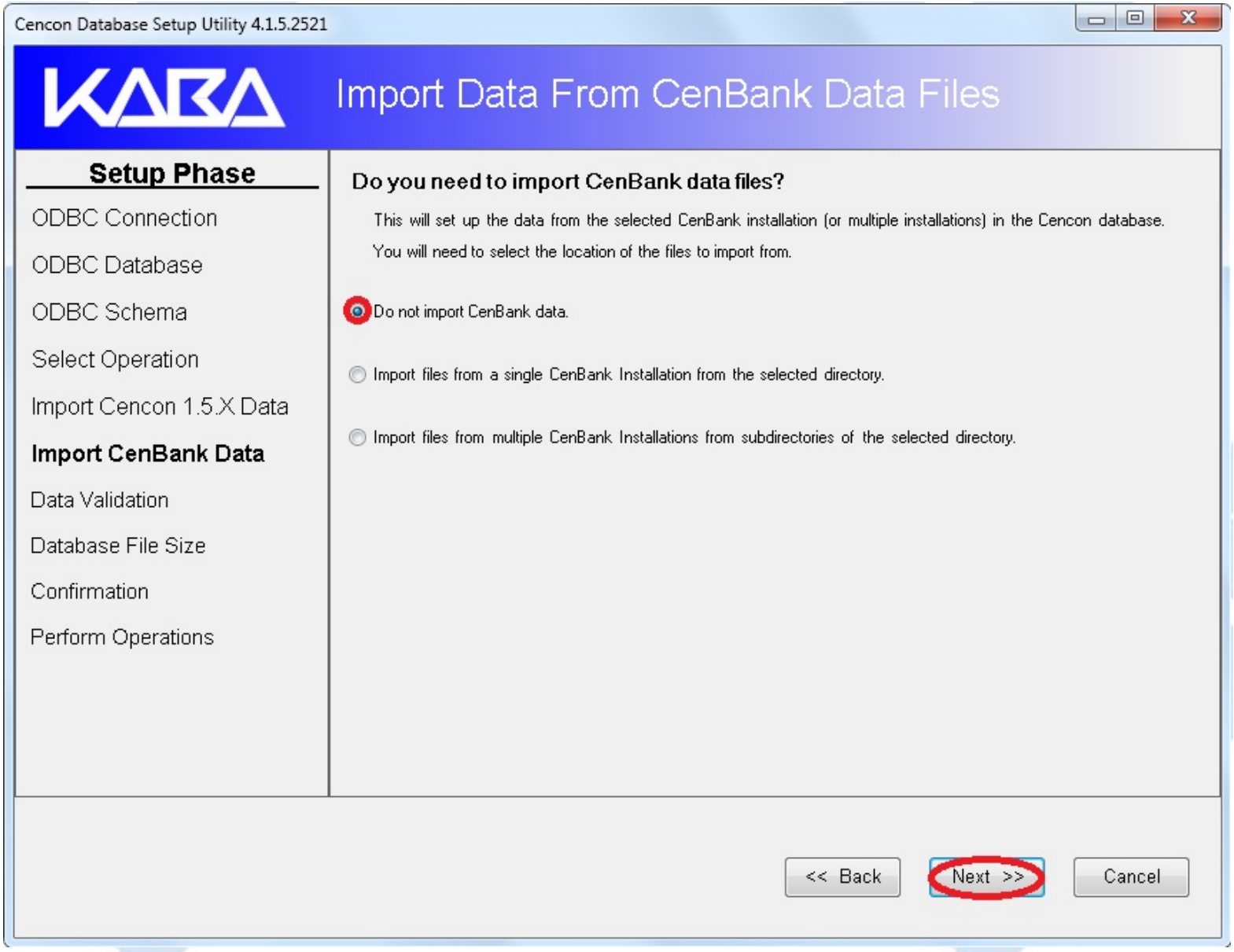
If you have data to import from 1.5 versions of Cencon

Click the check box > Enter or browse to the 1.5 Cencon data. Select what files you want imported

5a. Click Next >



6. If not importing data click Next > If you have Cenbank data to import see next screen

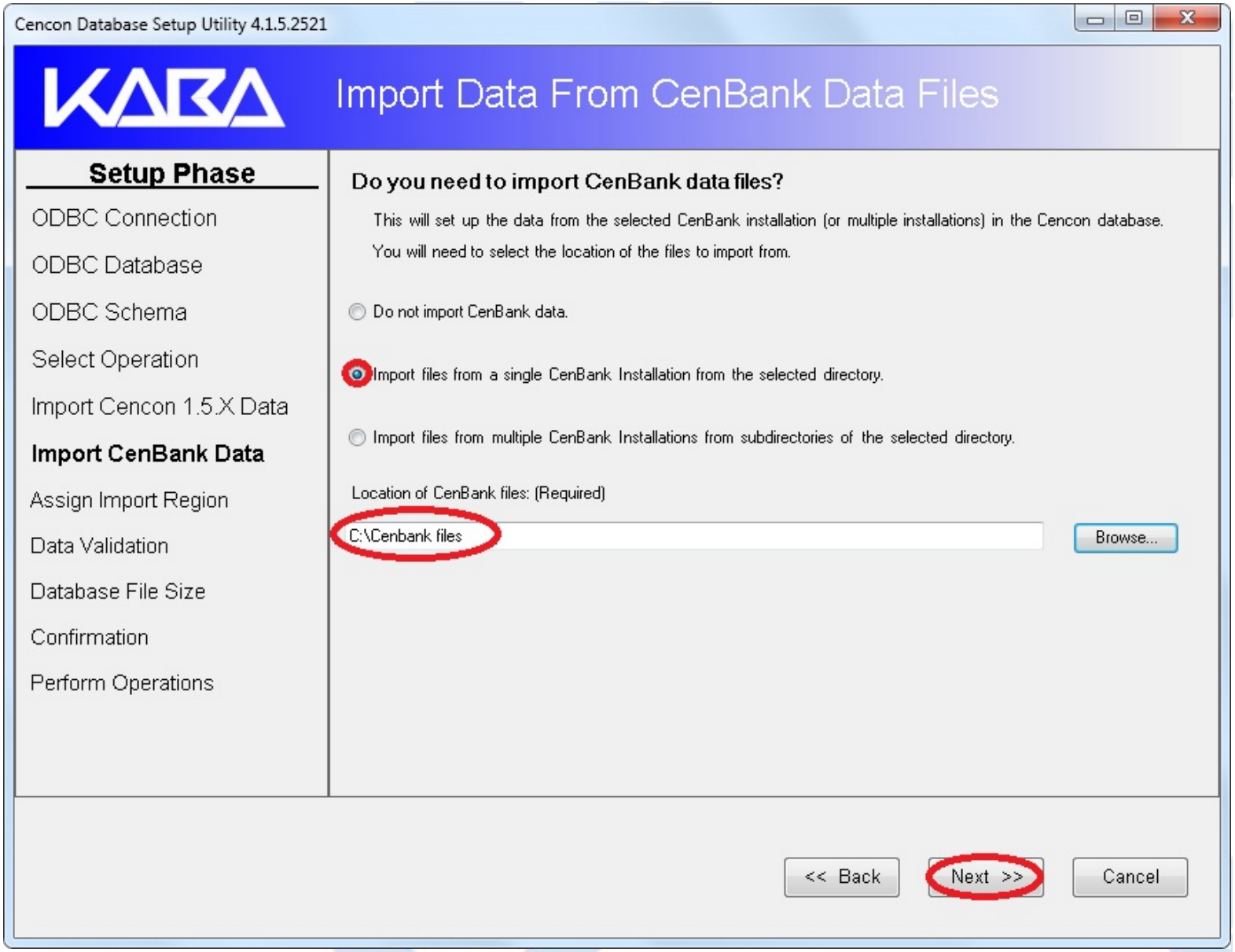


If you have data to import from Cenbank

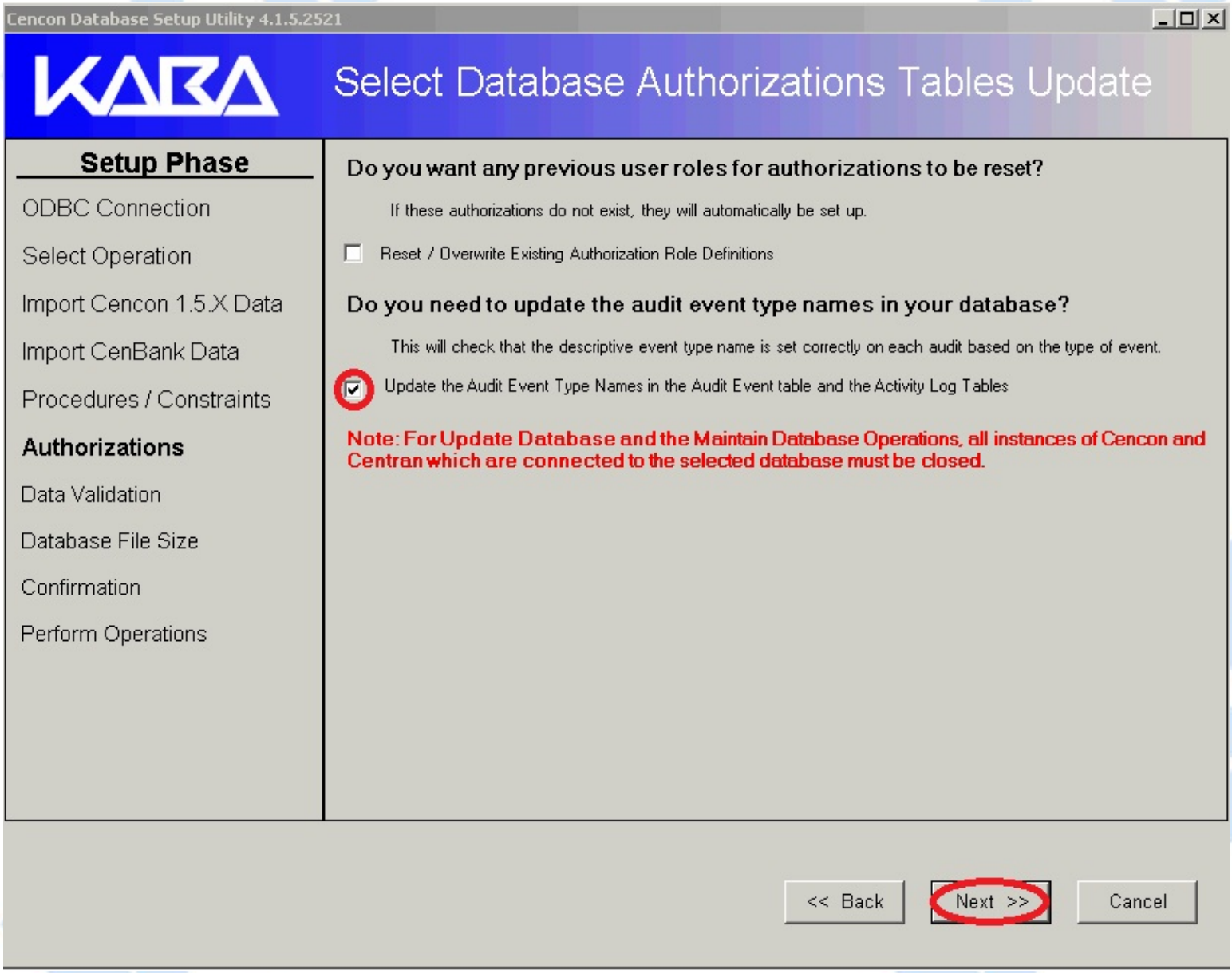
Click the check box for single or multiple Cenbank systems >

Enter or browse to the Cenbank data

6a. Click Next >



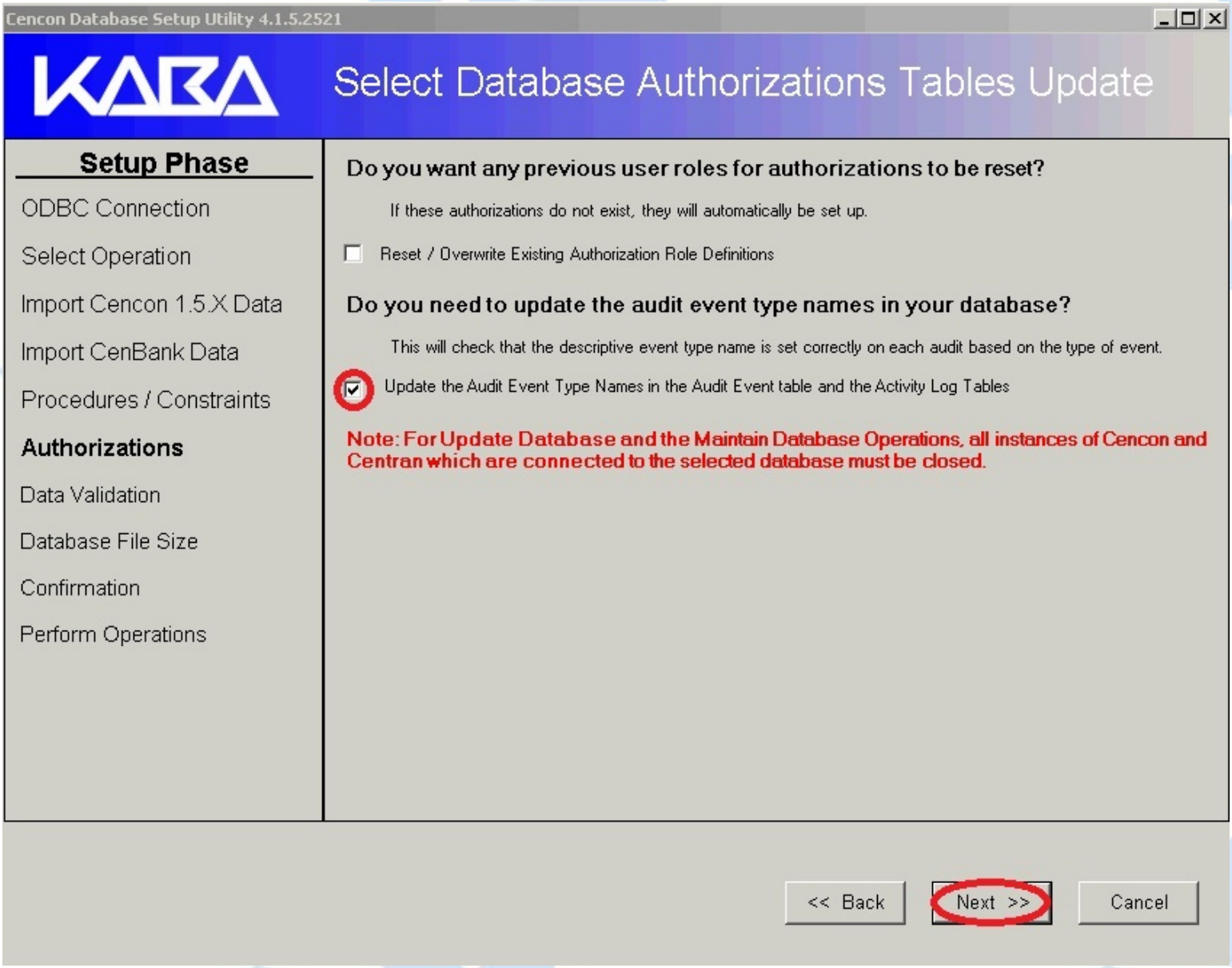
7. Click Next > This will update procedures, constraints, triggers, indexes, and column widths.



Warning
This feature will delete any roles that have been created by the end user and will reset the table to factory settings.

Note
Check the box in the event the defaults have been modified from the defaults.

8. Click Next >

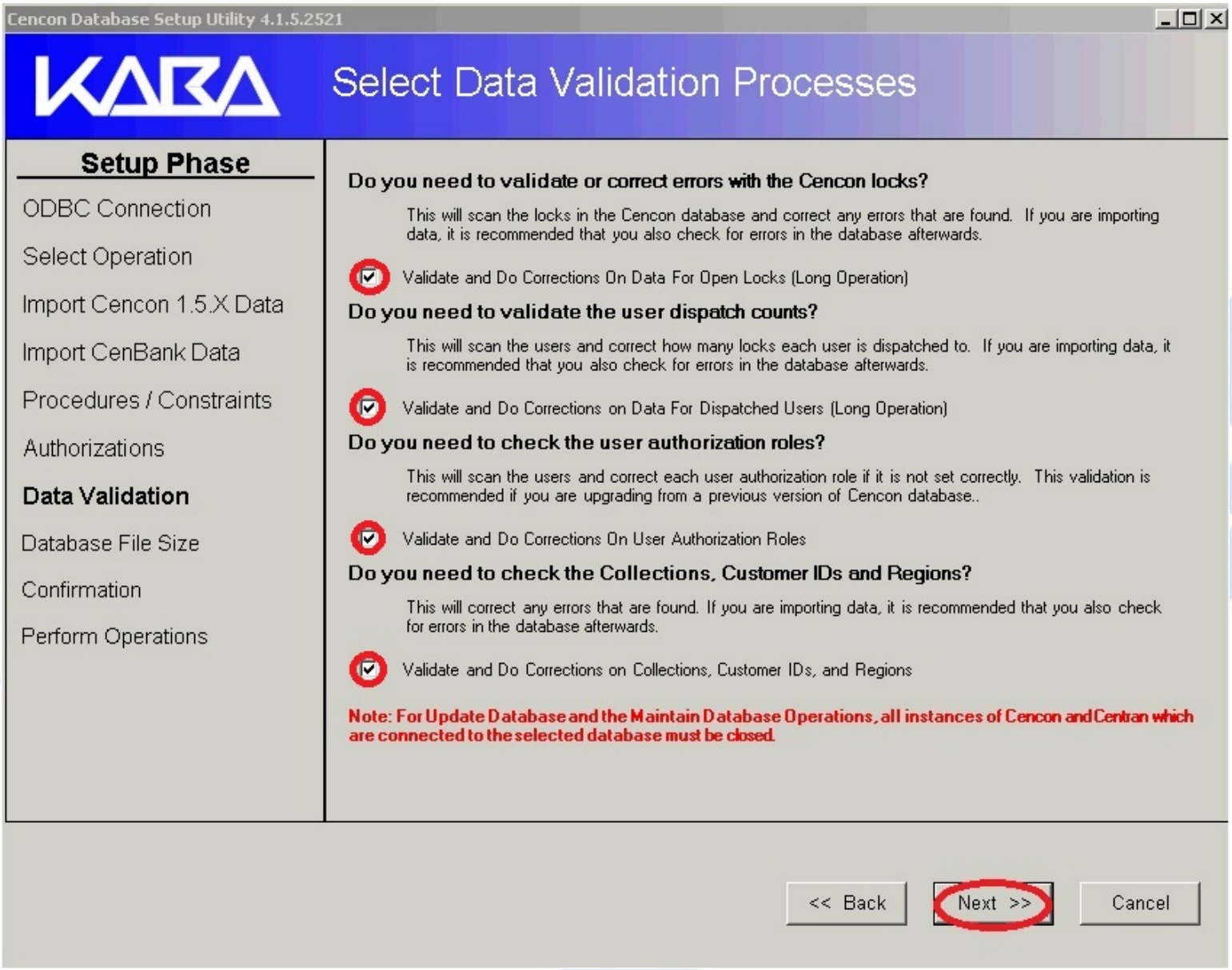


Warning

To validate the data check the boxes. This process will take time depending on the amount of data being processed.

Cencon® 4.1.5 and Centran® 4.1.5 cannot be used while the Cencon® 4.1.5 Software Database Utility running.

9. Click Next >

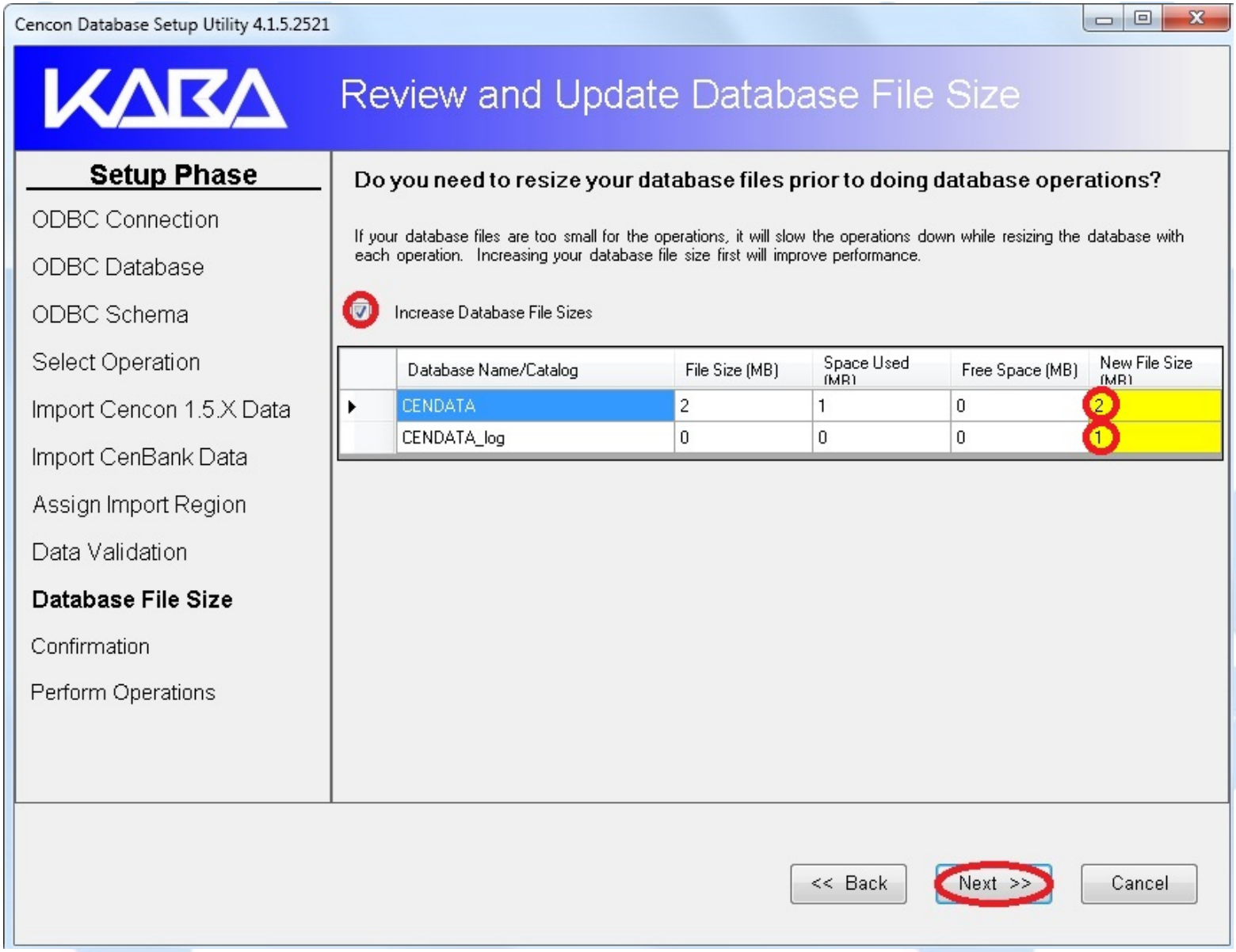


Important Note
The purpose for resizing is when importing legacy data the DBMS transaction log may reach its restricted file growth. Increasing the size removes this concern of repeated auto growth. **If this is a new database setup this is not required.**

10. Click Next >

This page will increase size of files to increase the speed if needed when processing multiple transactions

This is percentage base calculation. You can edit the size by overwriting the new file size.

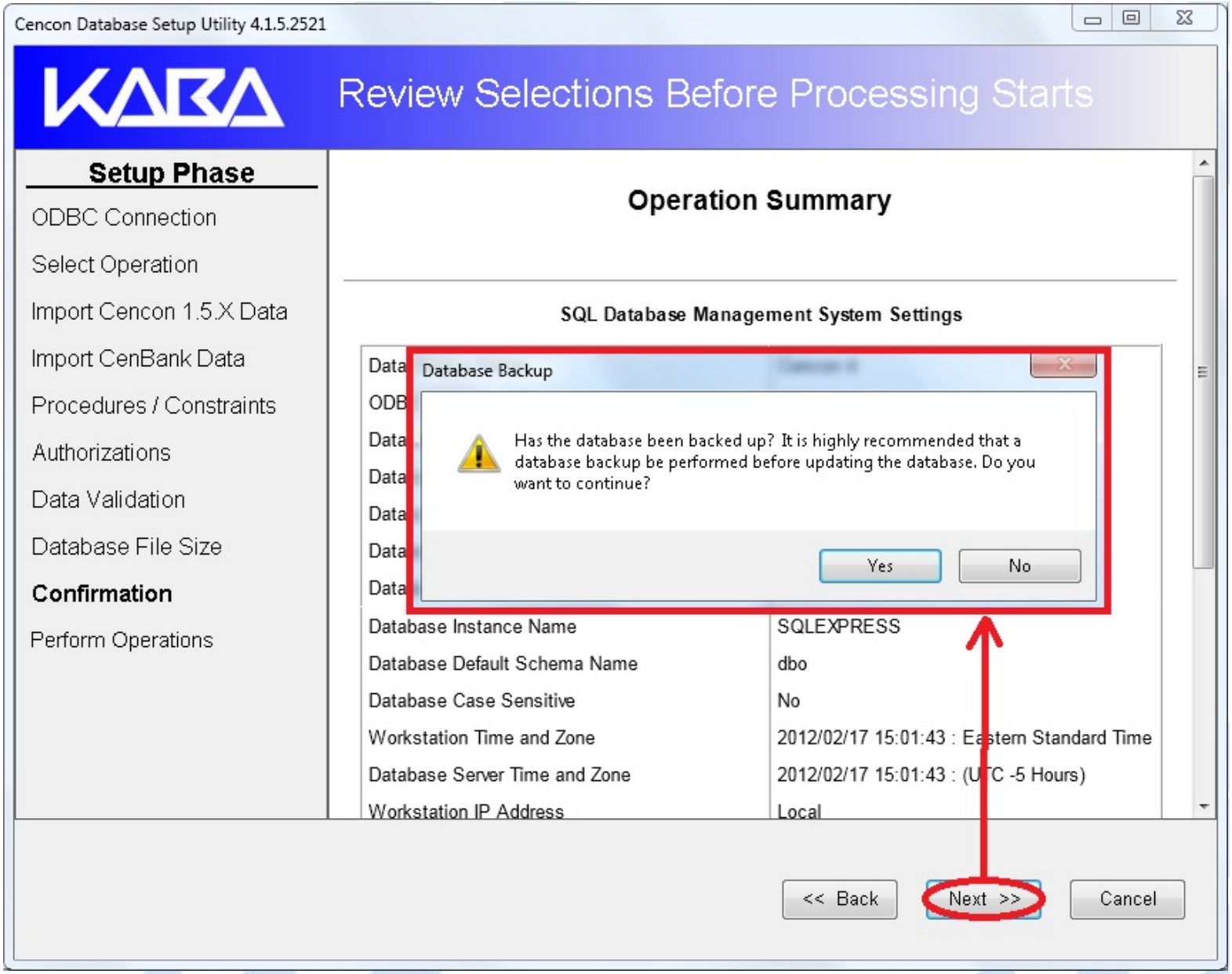


Warning
The Cencon Database should always be backed up regularly. Review DBMS website for back up methodology.

11. Click Next > This is a summary of information and processes to be performed by the utility.

A warning to backup data before processing.

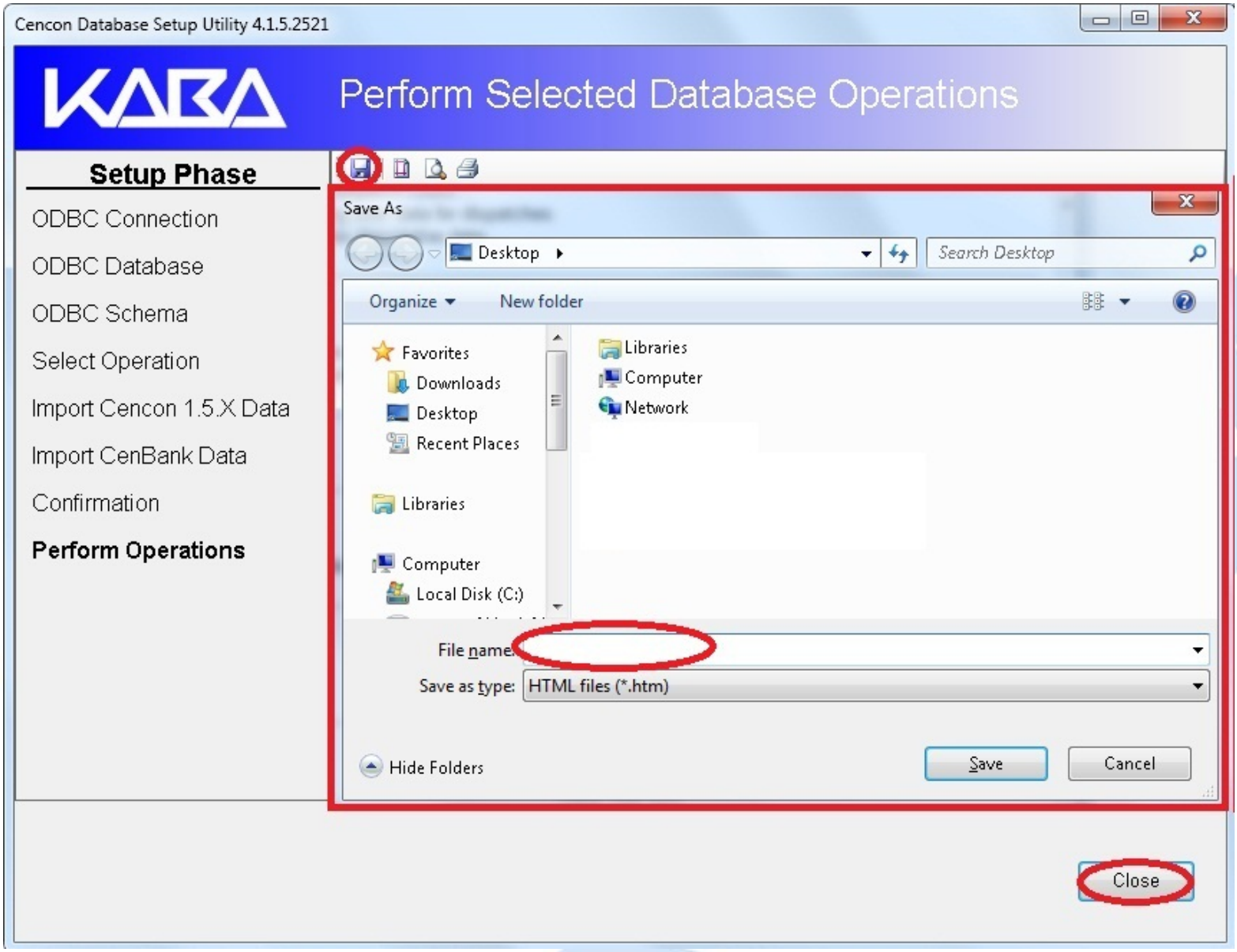
Click Yes > to proceed or No to make a backup through your DBMS Interface.



12. Click the Next > to perform the database Maintenance. This updates stored procedures, indexes, and constraints for Cencon.

Click the Save icon to save the HTML update report for later review.

Click Close > close the Cencon® 4.1.5 Database Setup Utility



© 1996-2013 Kaba Mas LLC

The Cencon® 4.1.5 Database Utility option for Reports reviews and lists on all tables, procedures, constraints, triggers, indexes, and column widths that are currently in the Cencon database.

Caution
The Cencon® 4.1.5 Database Setup Utility should be run on the same machine where the DBMS is located to maximize performance.

Select Set Up Cencon Database to launch the CenconDBSetupUtility.exe.

NOTE: The CenconDBSetupUtility.exe can also be launched manually by browsing the install source (DVD, USB drive, or download) to the correct folder based on your operating system:

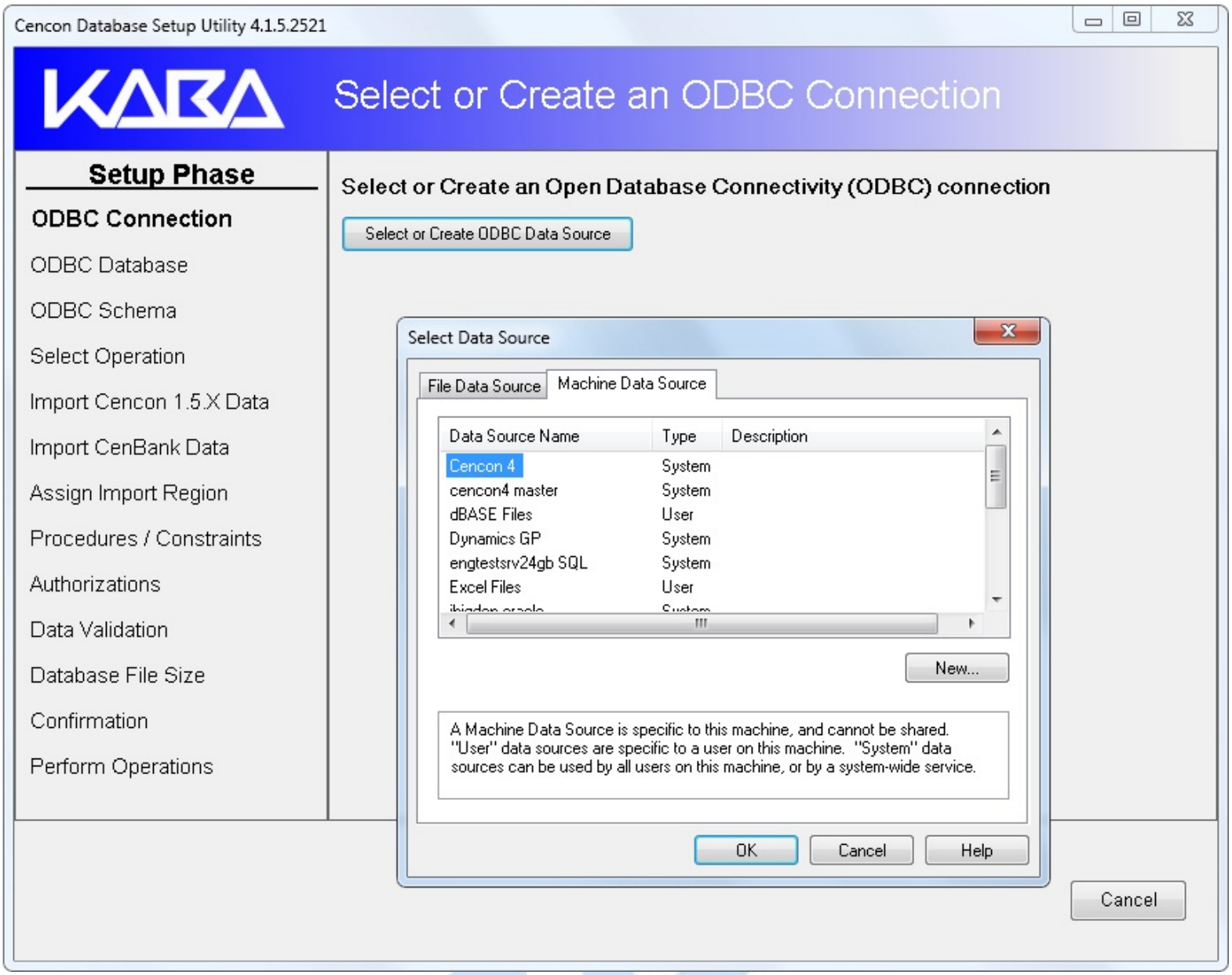
- **DBSetupUtility\Windows_32bit\CenconDBSetupUtility.exe, or**
- **DBSetupUtility\Windows_64bit\CenconDBSetupUtility.exe**

1. Click Set Up Cencon Database >

Note

The ODBC can only be a Machine Data Source and a user with SYSDBA privileges must be used to create the database.

2. Click Select ODBC Data Source > Select the Machine Data Source tab.



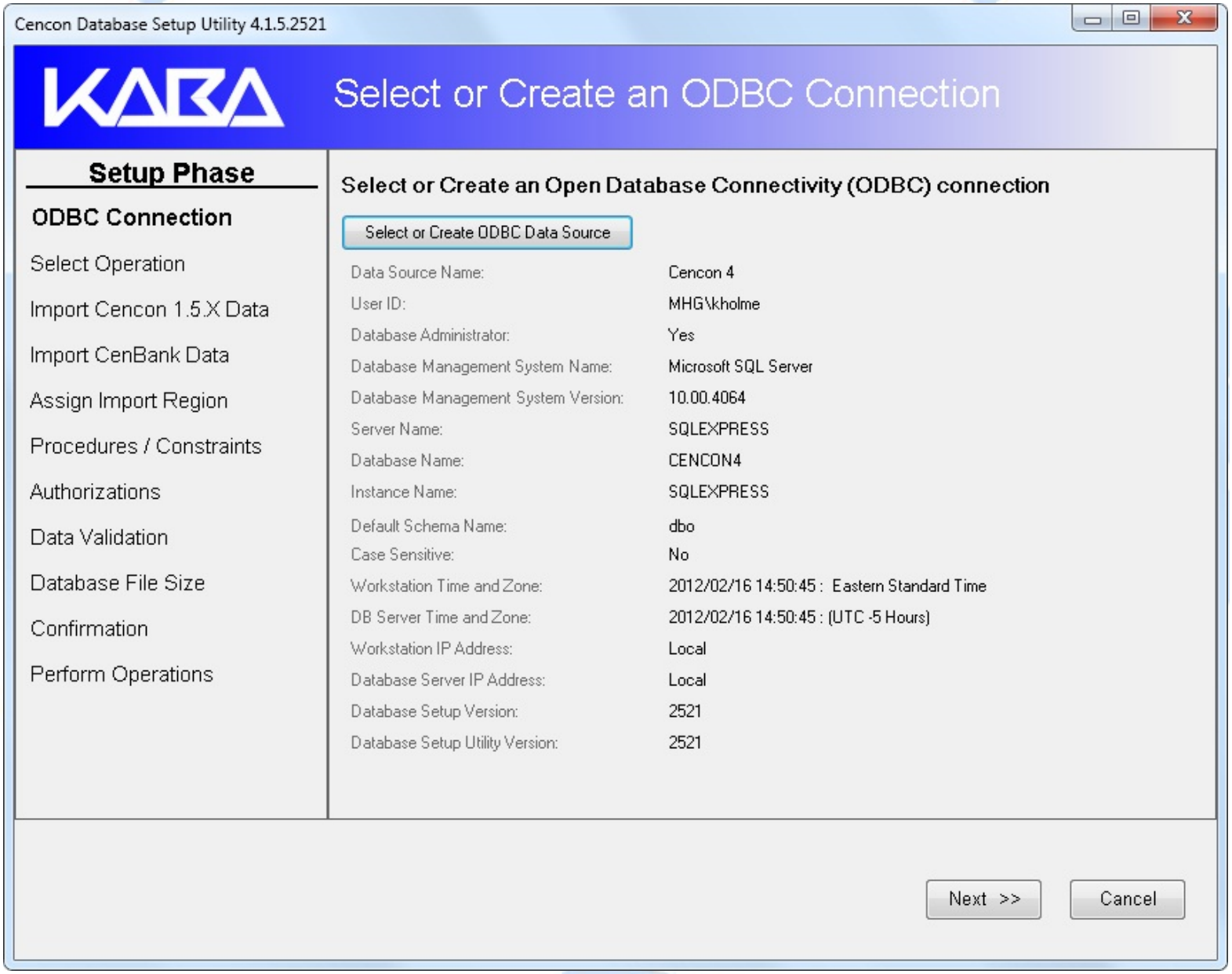
Note

When selecting an ODBC connection may take a moment to load Data Source information

Caution

The Cencon® 4.1.5 Database Setup Utility should be run on the same machine where the DBMS is located to maximize performance.

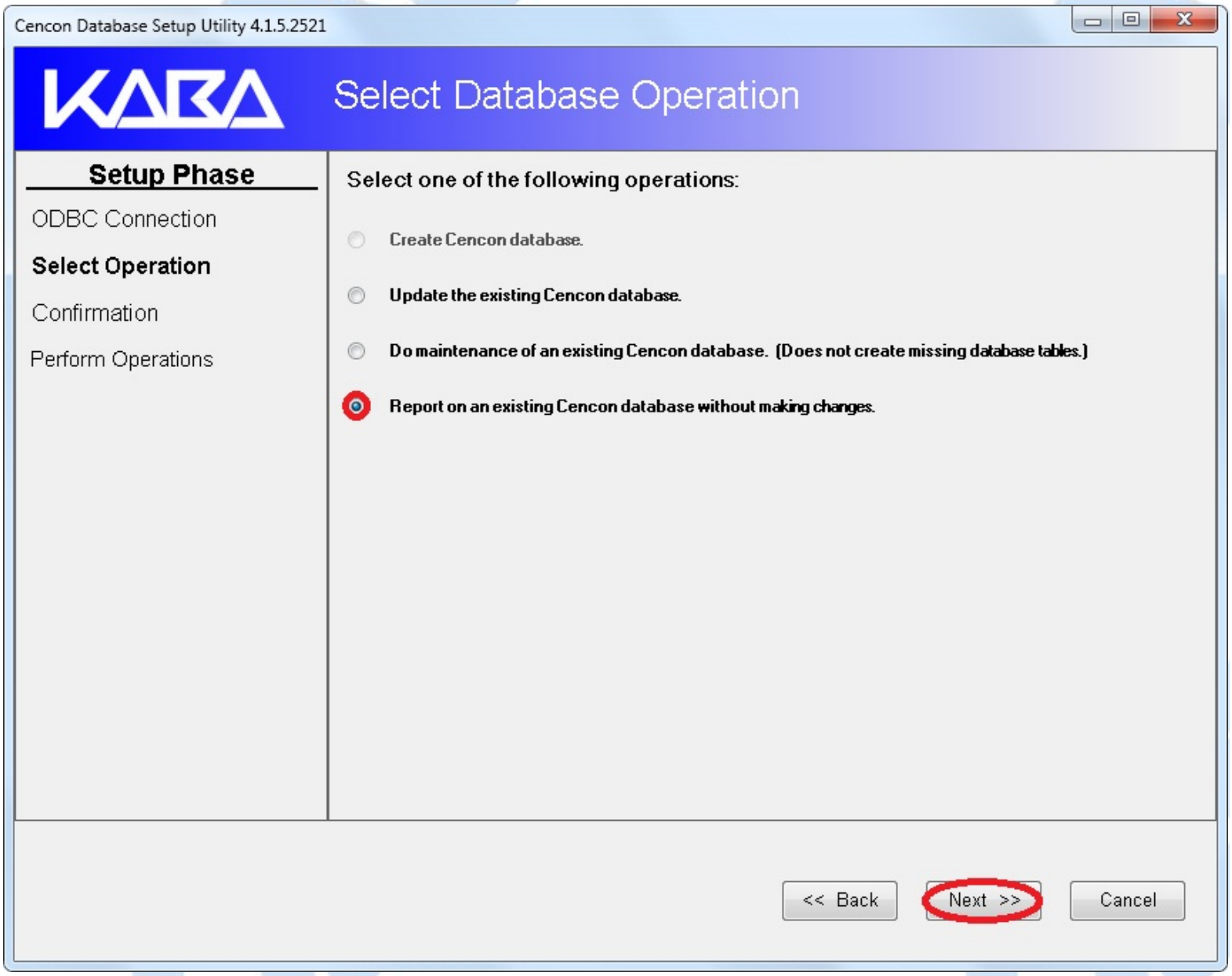
3. Review Data then Click Next



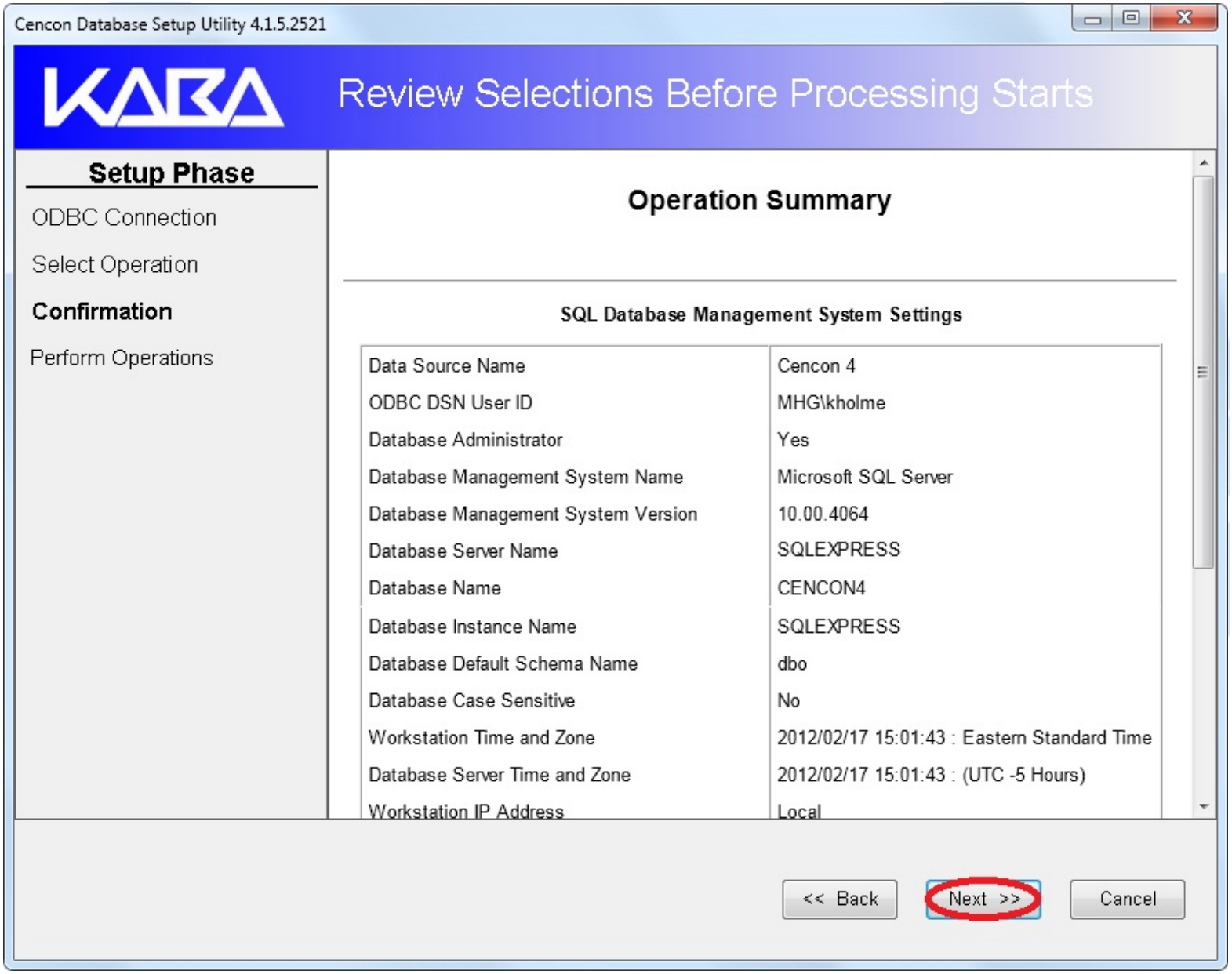
Note

The Cencon Database Utility now reviews the ODBC connection and only allows an Operation that is available for that connection.

4. Click Reports and Click Next >



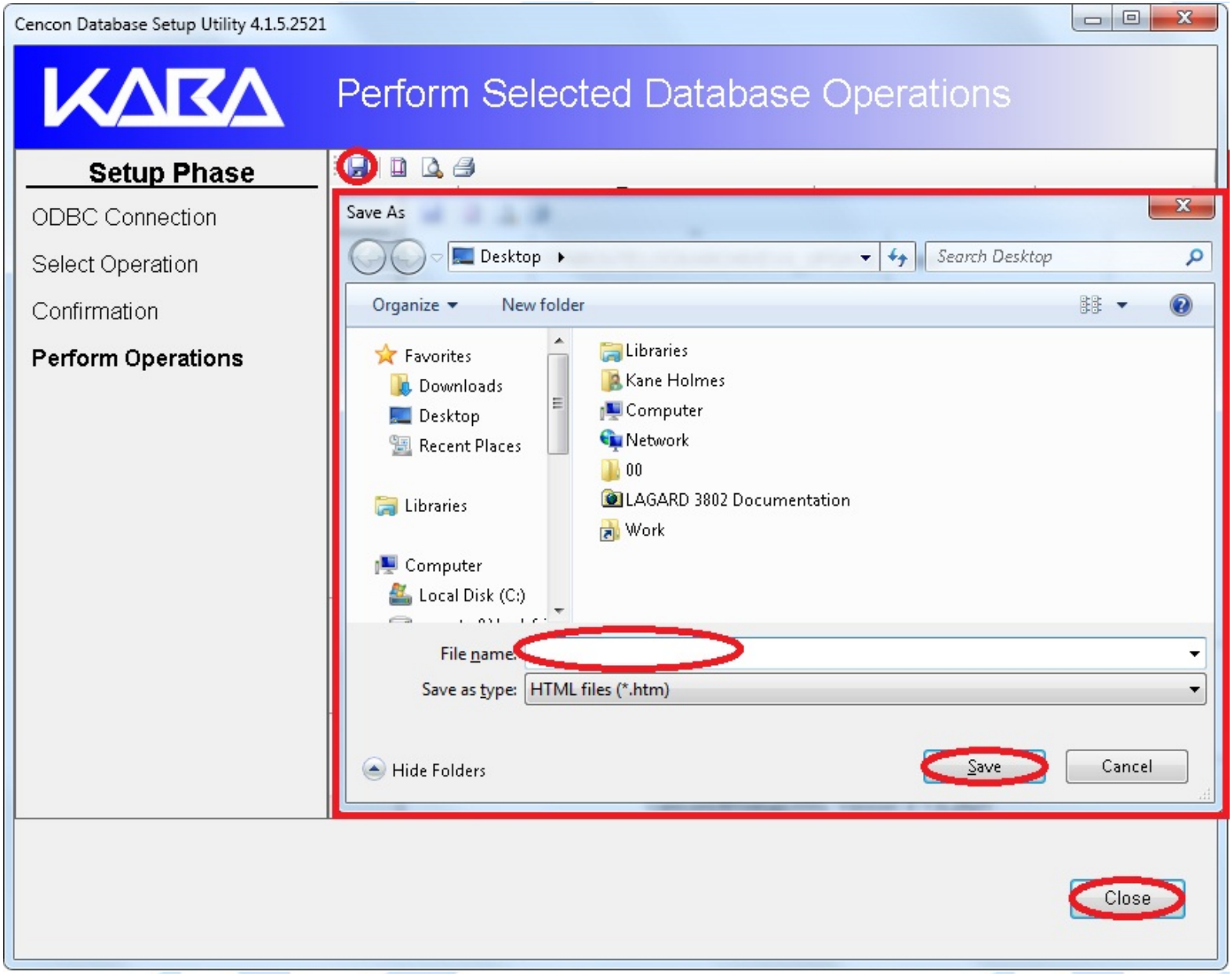
5. Click Next > This is a summary of information and processes to be performed by the utility.



6. Click the Next > to perform the database Report. This reports of the databases, stored procedures, indexes, and constraints for Cencon.

Click the Save icon to save the HTML report for later review.

Click Close > close the Cencon® 4.1.5 Database Setup Utility



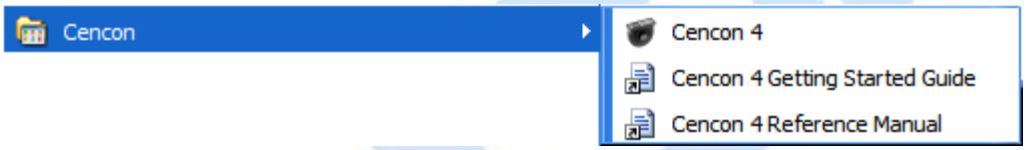
© 1996-2013 Kaba Mas LLC

Cencon® 4.1.5 Getting Started Guide

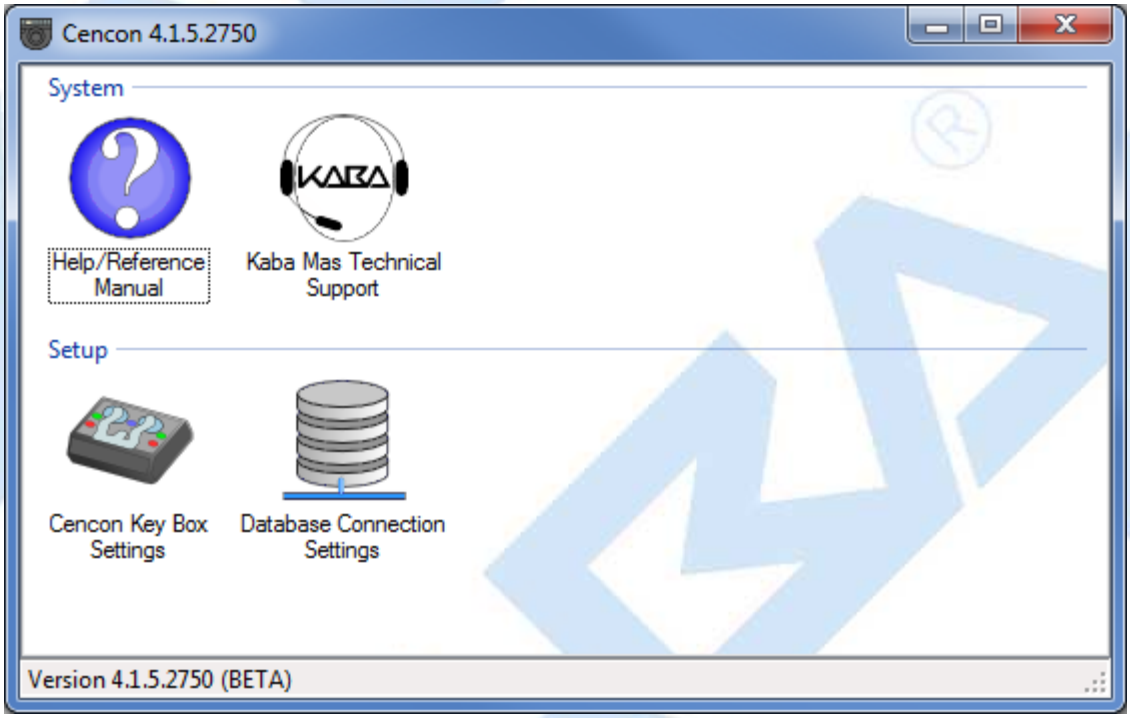
Start the Cencon® 4.1.5 Program

To start the Cencon® 4.1.5 program:

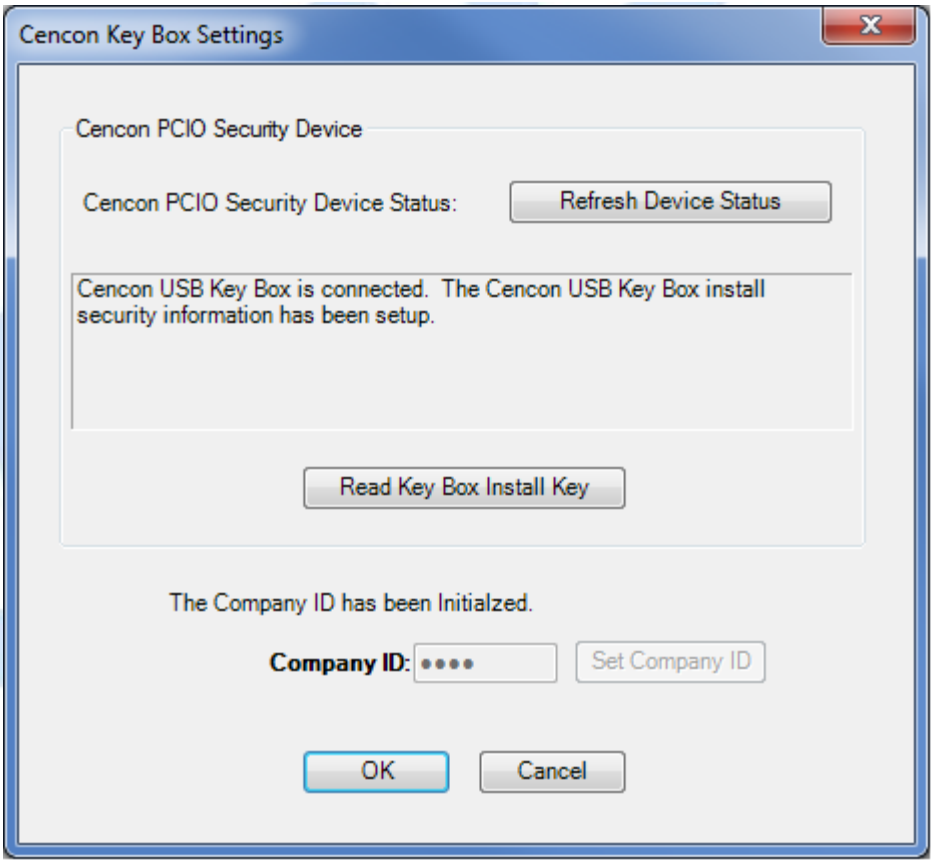
1. Select the Start icon from the Windows task bar.
2. Select the Programs menu item.
3. Select the Cencon menu item and then the Cencon® 4.1.5 icon:



Initial Cencon® 4.1.5 Startup screen:



4. If you are going to use the Cencon USB Key Box, the first task is to initialize it. Verify that the Cencon USB Key Box is plugged into any USB port on your computer and select Cencon Key Box Settings to display the Configuration Settings screen.

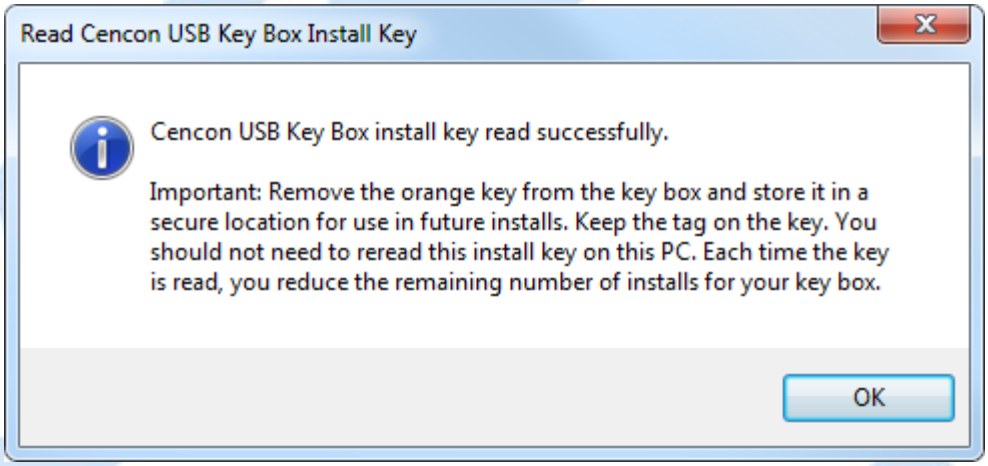


5. Enter your Company ID.

   The value entered for this field can be any complex four-digit number you wish to identify your company. You should choose a number that is, in some way, meaningful to your company. Record the Company ID and store it in a secure place.

> **Warning:**
>
> Record the Company ID and store it in a secure place. Once this ID is set, it becomes encrypted and it cannot be changed. If you are a branch of a larger company, you must enter the Company ID that has already been chosen for your company. If you are planning to activate locks from a remote PC, the Company ID must be the same on all systems involved in the process.

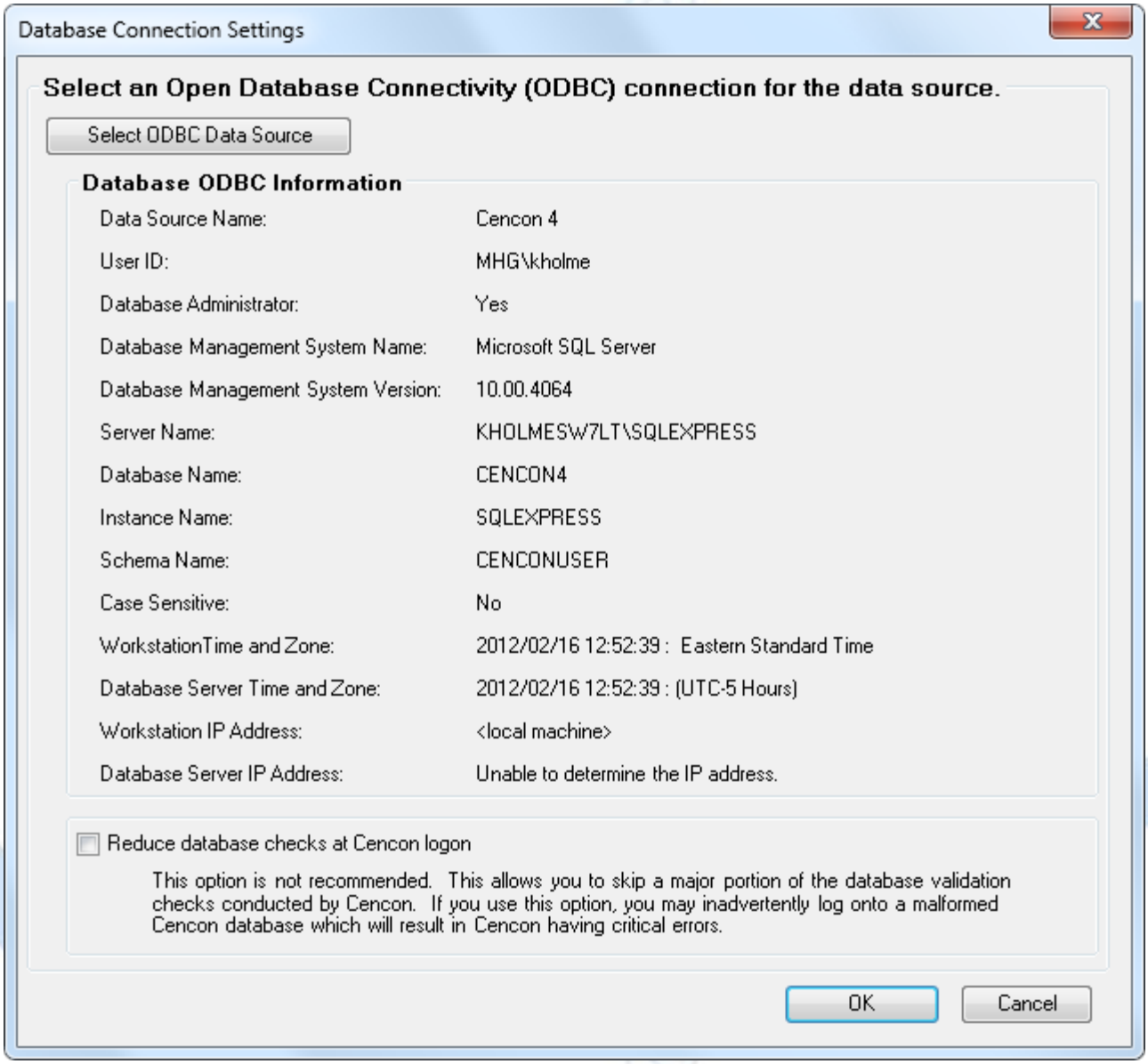
6. Insert the Orange Install Key into the right Key Box reader position (the green LED on the right should be blinking) and press the Read Key Box Install Key button. The following message indicates successful initialization:



> **Important Note:**
>
> Remove the Key Box Install Key and store it in a safe place. You must have this key and the information on the

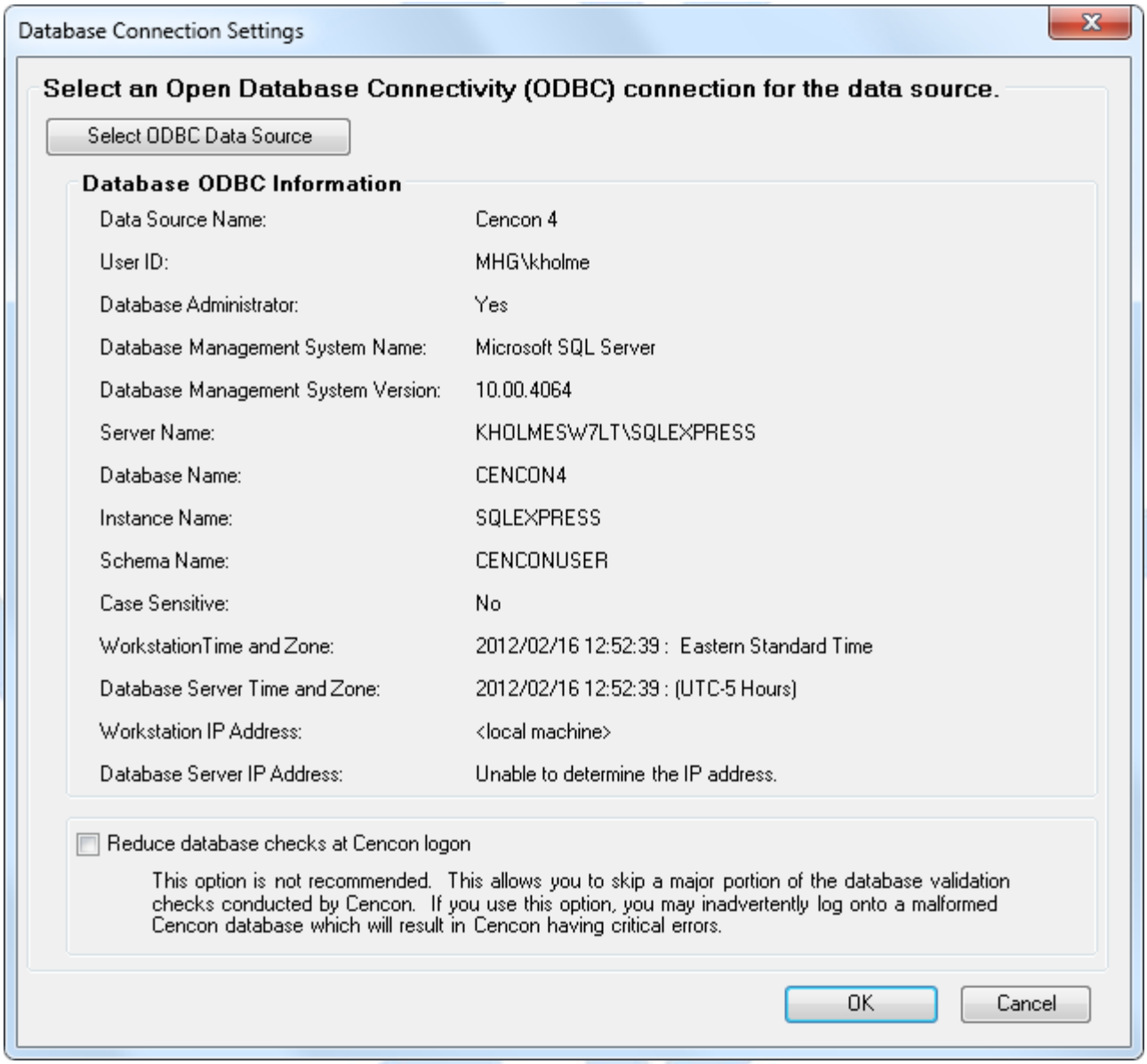
attached key tag if you ever need to reinstall the Cencon Key Box or order replacement parts. You have a limited number of installs associated with the Key Box Install Key.

7. Select Database Connection Settings to access the dialogs which allow you to identify the appropriate Cencon database.

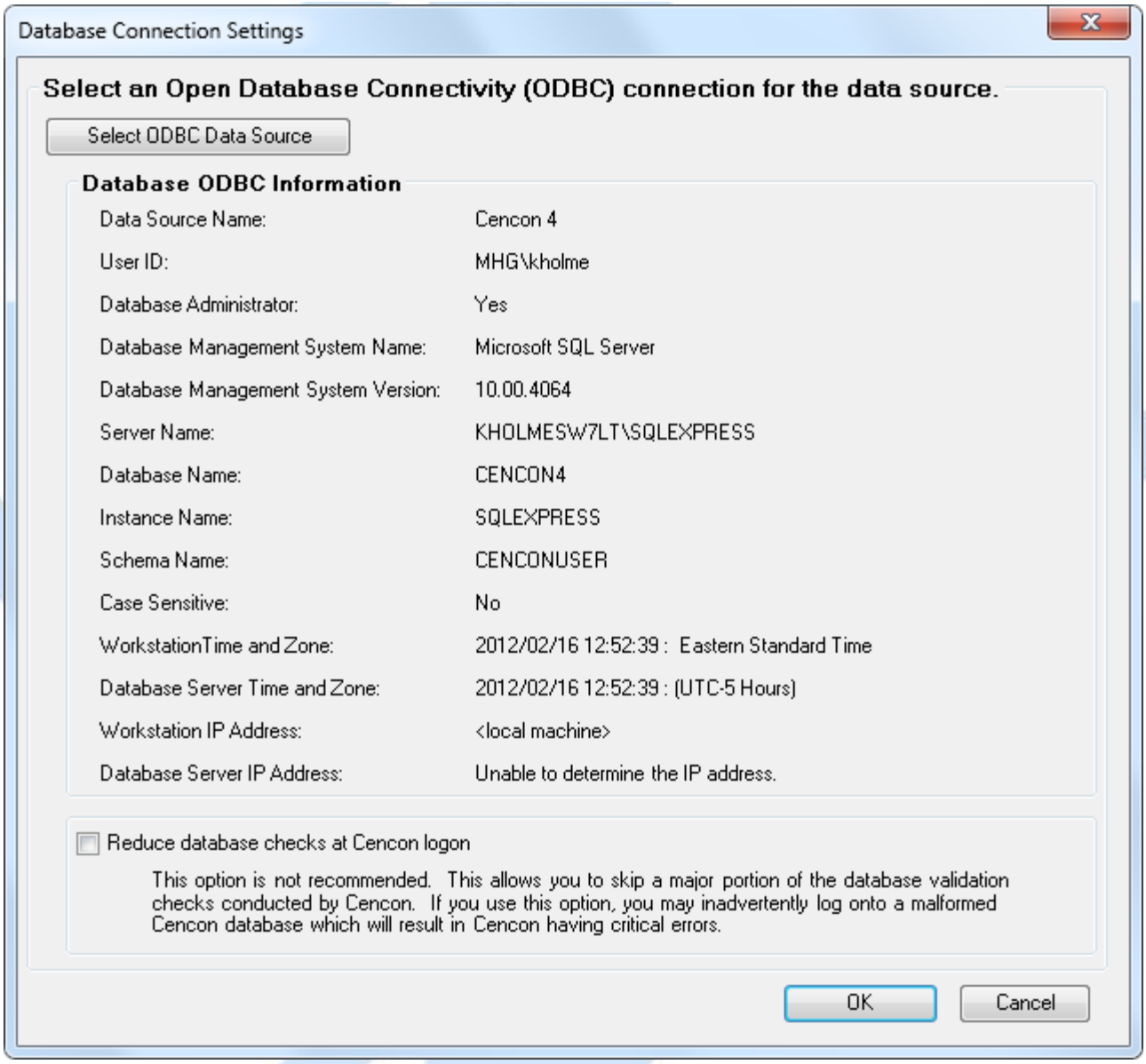


If the input field for Set this ODBC Connection as fixed database logon is checked, Cencon remembers the database connection for the next time the program is loaded.

8. Select the button labeled Select ODBC Data Source to select the ODBC connection for the database to be used with the Cencon® 4.1.5 system.
9. Select the Catalog tab if you need to modify the database catalog name:

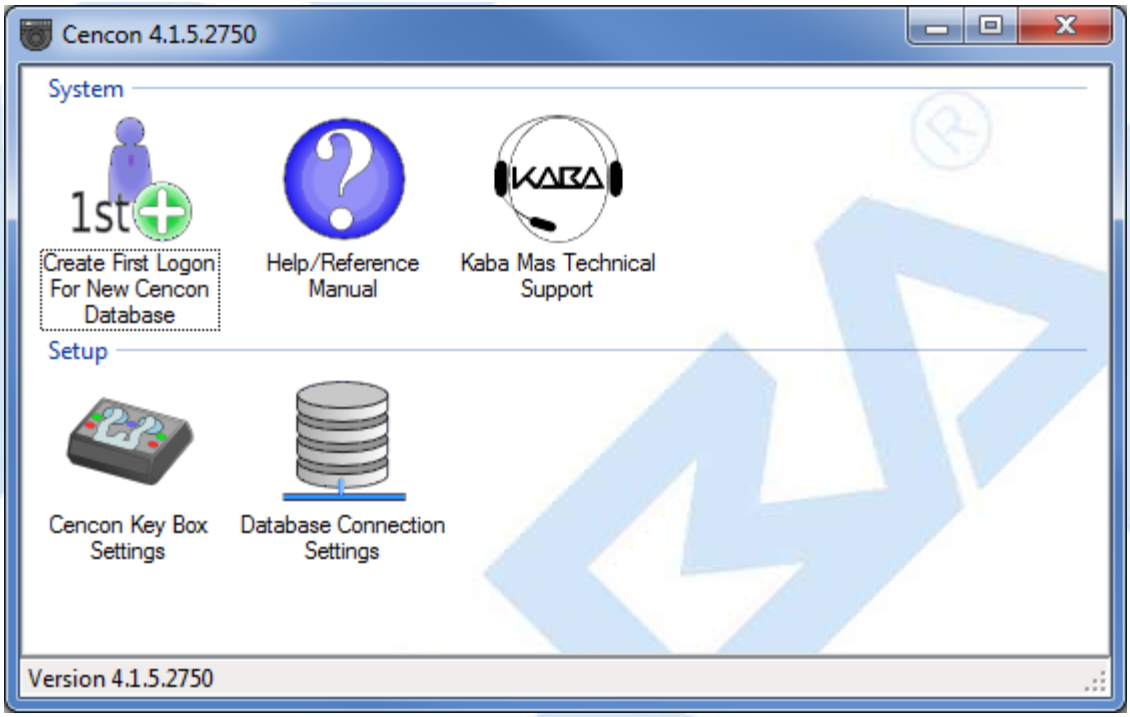


10. Select the Schema tab if you need to modify the database schema:

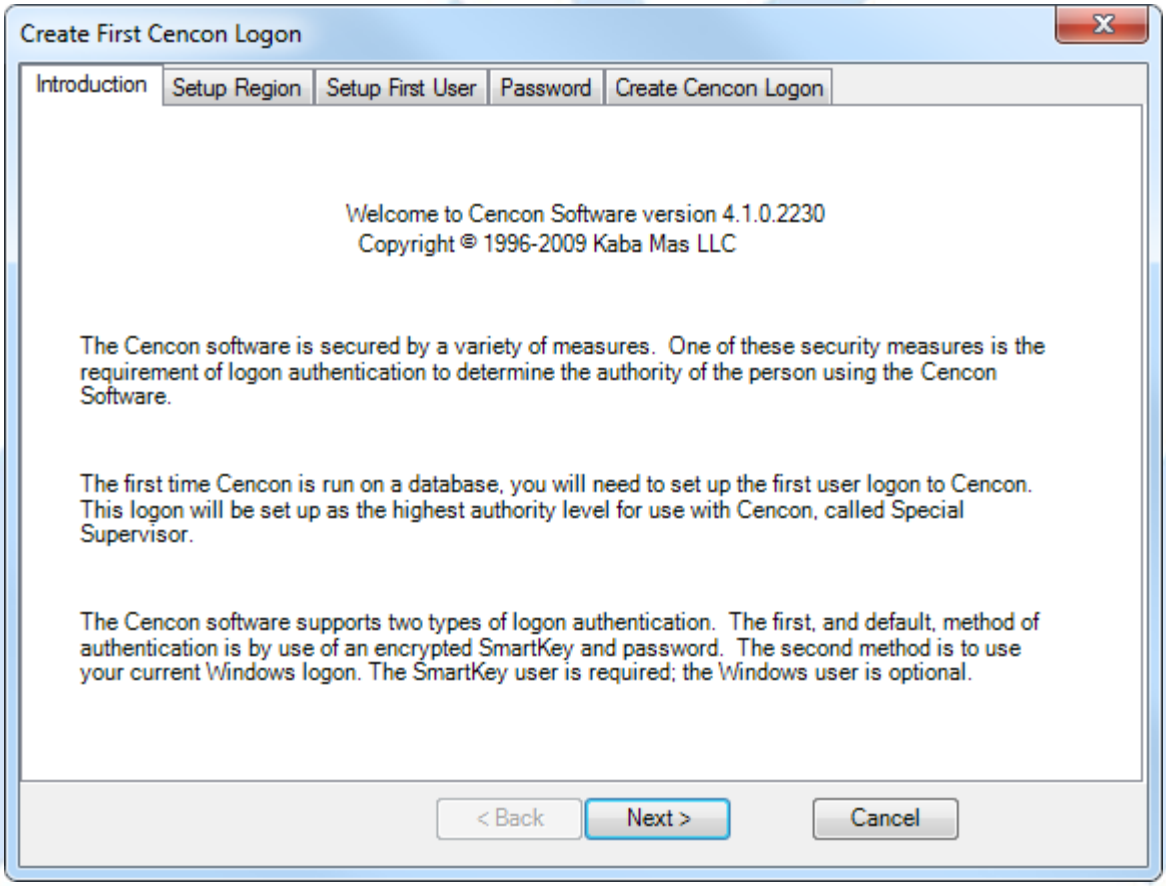


If using the default schema of "dbo" with one of the versions of Microsoft SQL Server, (i.e. Microsoft SQL Server 2008 R2, 2008 R2 Express, 2012, etc) you do not have to update the schema name.

11. The following window is displayed when a database is successfully identified:

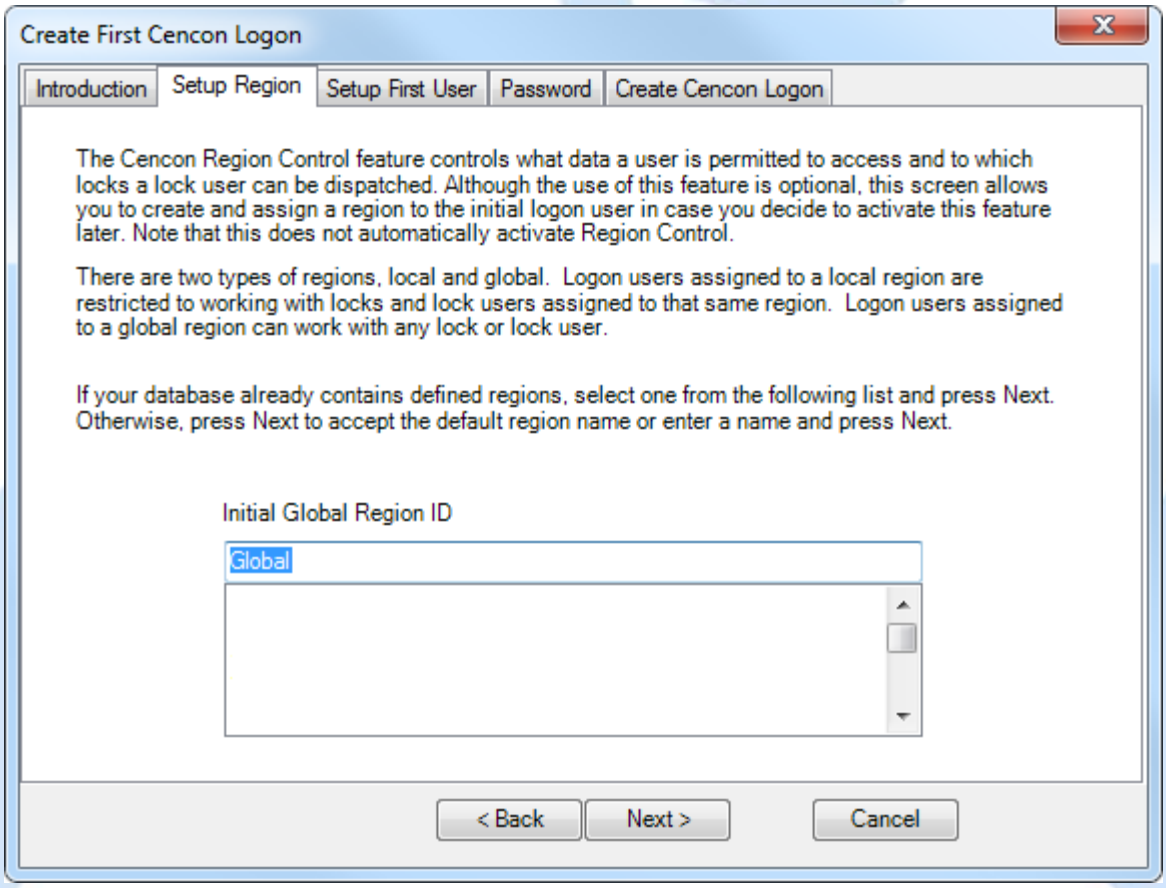


12. Some initialization information must be entered before using Cencon for the first time. Select the Create First Logon for New Cencon Installation icon to start the setup wizard which will walk you through this process:

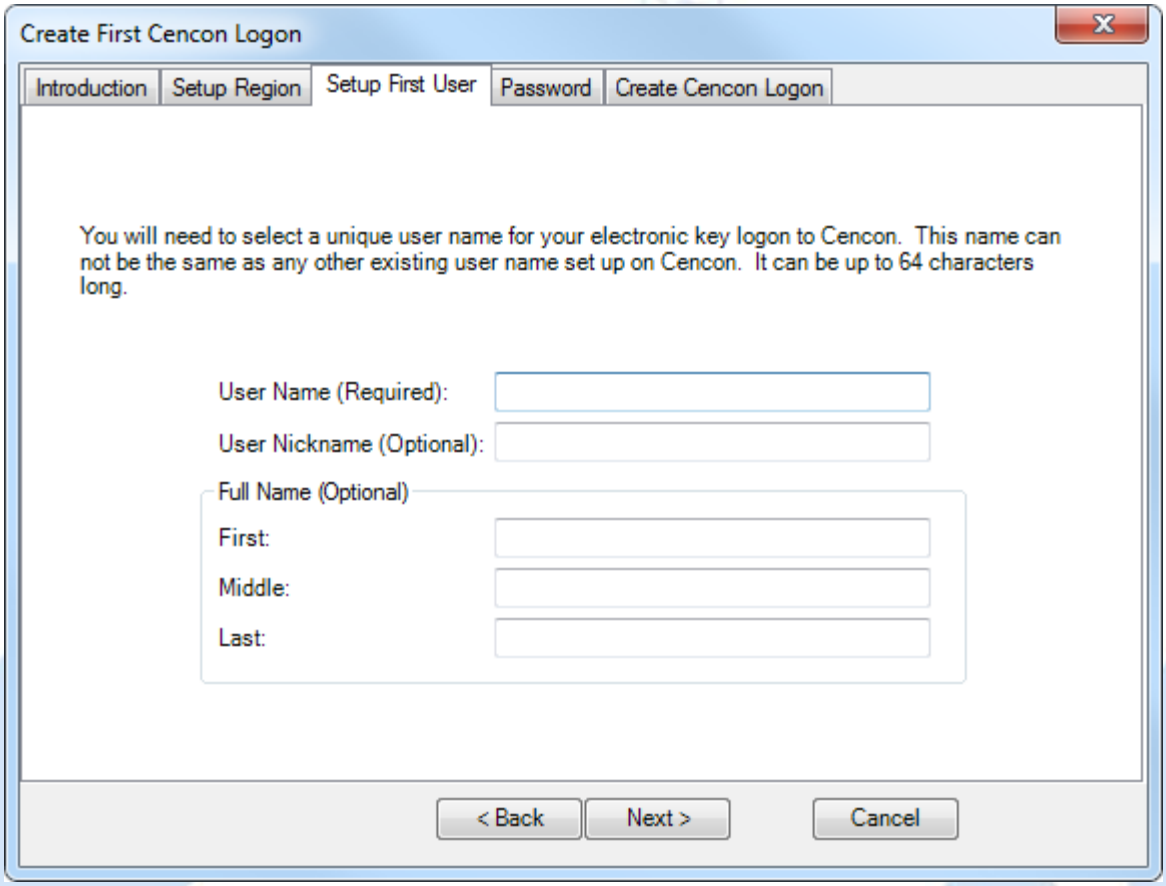


13. Click on Next > to continue.

    The Setup Region tab allows you to set up the Region Control feature. The Region Control feature allows the grouping of users, locks, and routes into specific regions. Global data access can be given to some users while data access can be limited for other users to only the users, locks and routes in a specific region. Note that this screen does *not* activate the Cencon region control feature - it defines a global region and assigns it to the initial user in case the region feature is activated at a later time.



14. Follow the instructions on the screen to Add an initial region.
15. Click on Next > to continue:



Note

Suggested User IDs: User IDs are very critical in the Cencon System. They can be up to sixty-four (64) characters in length. However, if you are using CenTran in conjunction with your Cencon system, you need to consider that the CenTran User ID field is limited to 20 characters. Using “Bill” as a user ID is valid, however, you may have more than one “Bill” in your organization. Using “98709003” as a user ID is also valid but may get confusing. Additionally, in dispatching a person we know as “Bill” using the number “98709003” as the user ID can also be confusing. It is suggested that user IDs be alpha or alphanumeric. It is also suggested that you use “Nicknames”. For example, a user can be identified as “FLM1” and use “Bill N” in the Nickname field. Another example could be a user identified as “Tom1” and use “Flemming” (last name) in the Nickname field. Spaces are allowed in ID fields so “Bill Jones” is valid. However you choose to identify users, some thought should be given to it before you begin. Case sensitivity will apply if it has been selected in SQL Server as a requirement for the database.

16. Follow the instructions on the screen to create an initial user. Keep in mind that this field may be case sensitive (depending on the SQL Server settings) and recognizes spaces as well as characters.

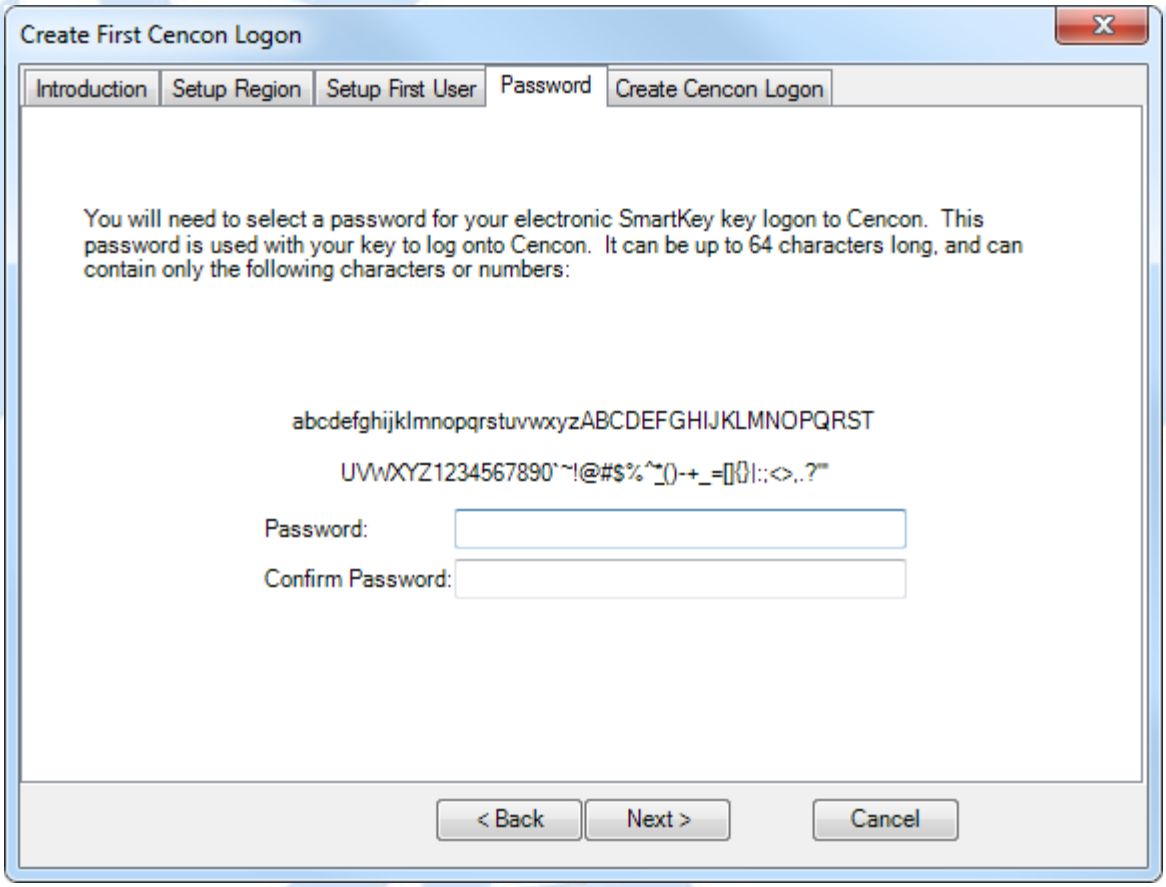
Caution

Nicknames can be up to sixty-four (64) characters in length. However, if you are using CenTran 3.x (and below) in conjunction with your Cencon system, you need to consider that the CenTran Nickname field is limited to 10 characters. The CenTran 4.1.5 XML schema allows the use of longer names.

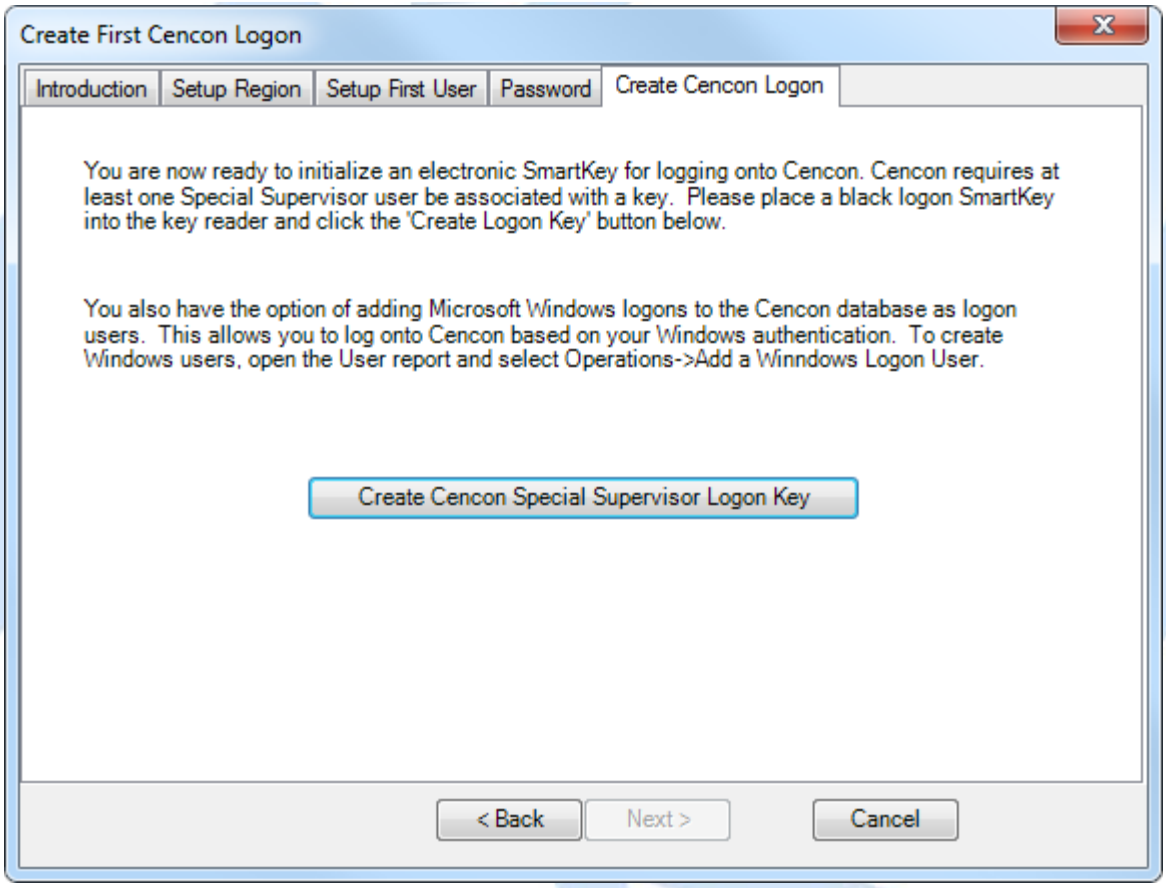
17. Click on Next > to enter the password for the user.

Note

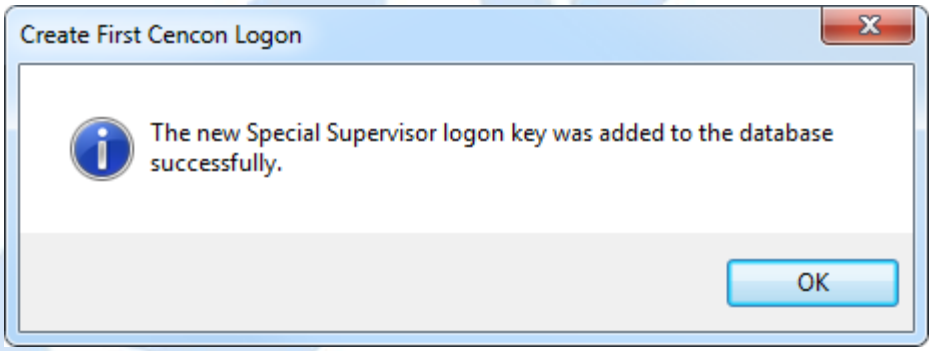
User Passwords are case sensitive and can be up to sixty-four (64) characters in length. Since the User Passwords for Software Users (black SS, S, and D keys) are used as logon passwords for the software, they should be kept secret.



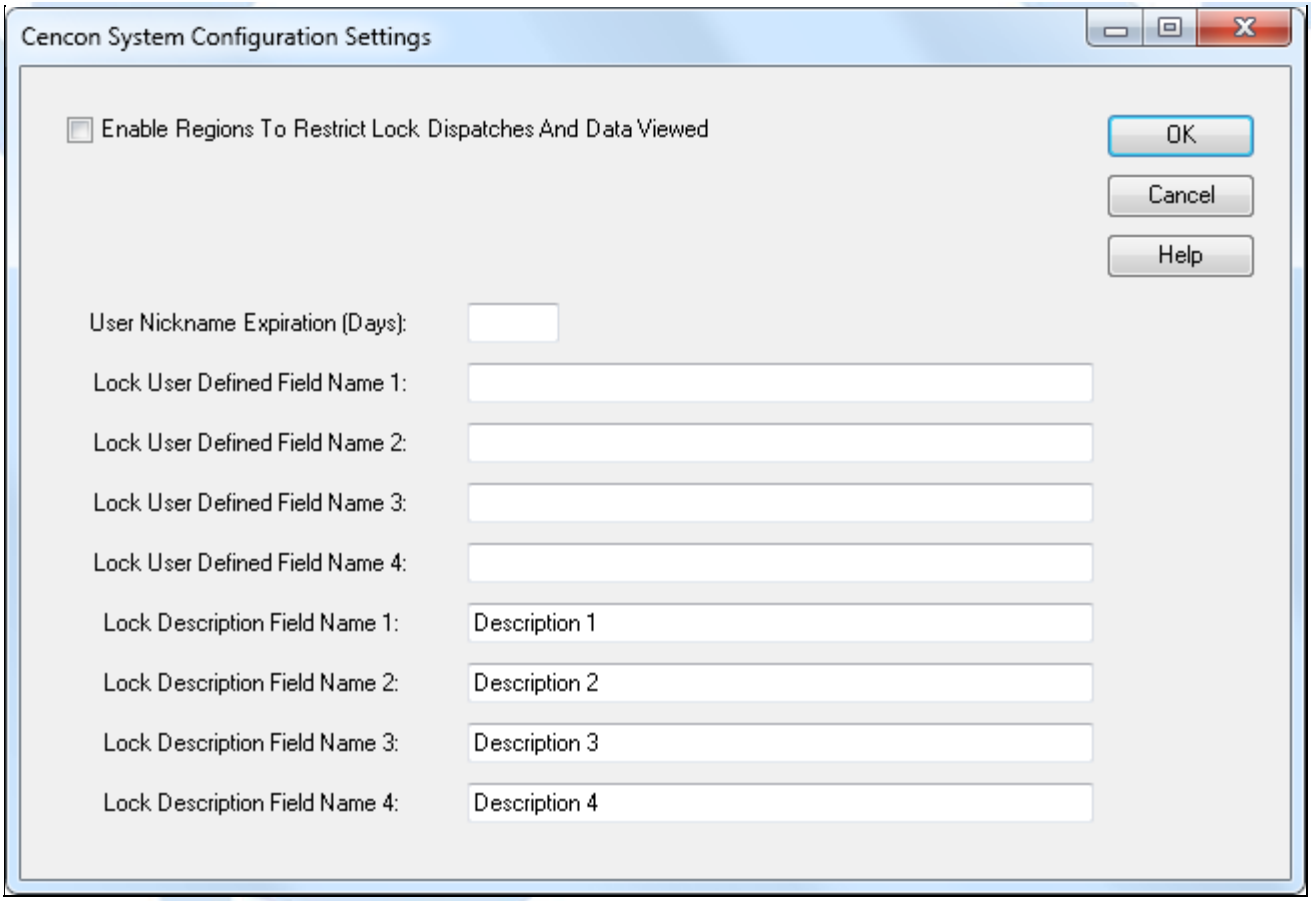
18. Enter a password (and the confirmation) and click on Next >.



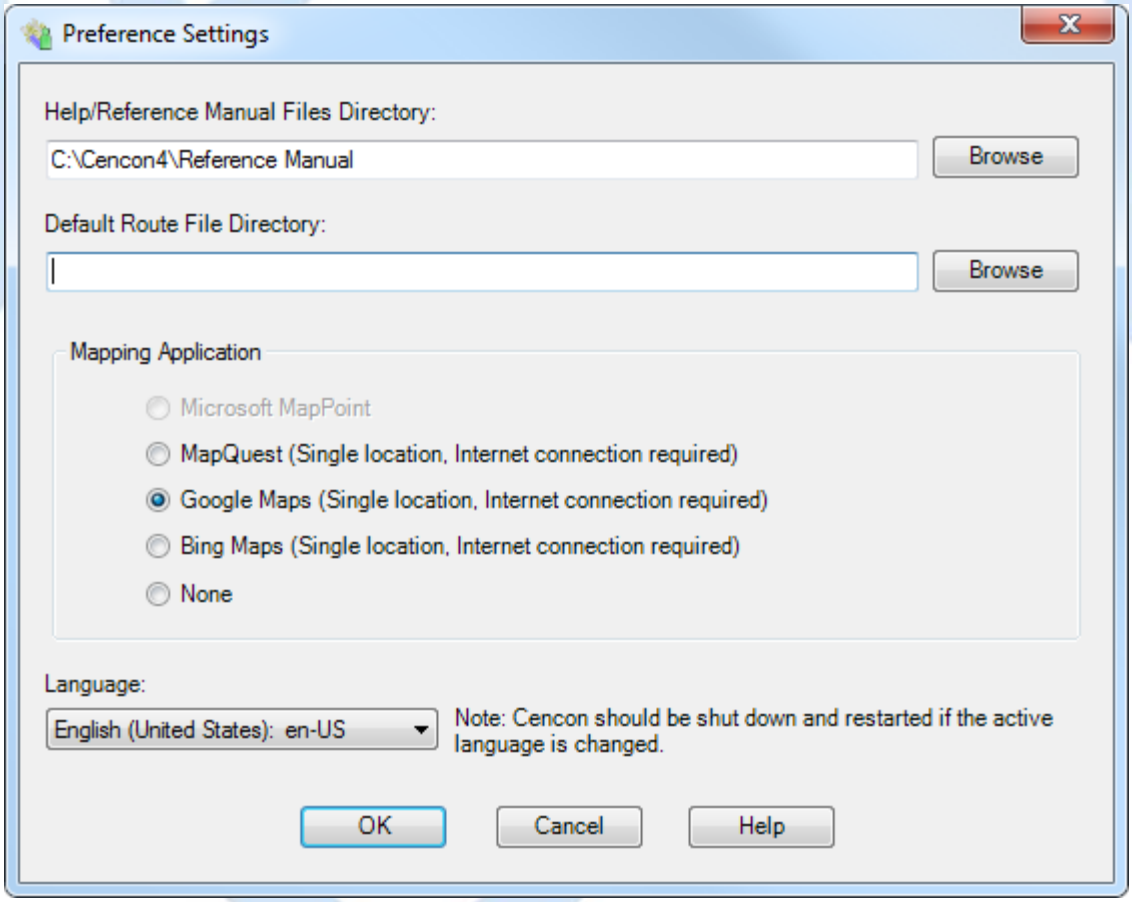
19. Place a black logon type key into the right hand position of the Cencon Key Box (note the blinking green LED). Follow the instructions on the screen for creating a user key and optional Windows logon. Press the Finished button when the users have been created.



20. Click OK and then Finished to complete the start up process.
21. Press Finished to end this part of the start up process.
22. You are next given the opportunity to configure settings which affect all users of your Cencon installation. See the Cencon Reference Manual for details. You can return to this function at any time by selecting the Change Configuration Settings icon on the main screen.



23. Finally, you can set preferences which apply to the current PC. See the Cencon Reference Manual for details. You can return to this function at any time by selecting the Change Preferences icon on the main screen.

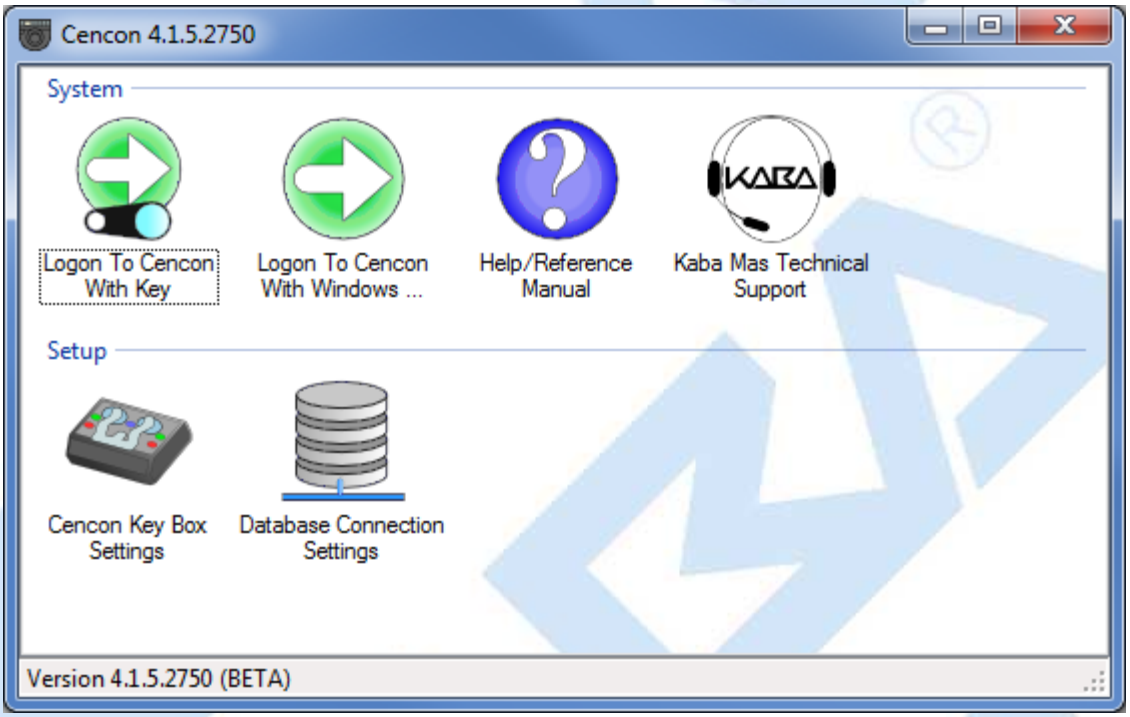


© 1996-2013 Kaba Mas LLC

Cencon® 4.1.5 Getting Started Guide

Logon to the Cencon® 4.1.5 System

The Cencon® 4.1.5 startup window controls access to configuration settings and logon:

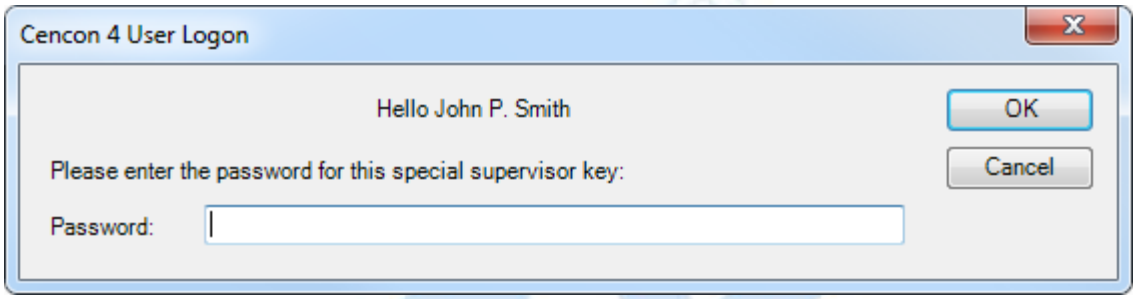


Cencon allows a user to logon using either an authorized Special Supervisor, Supervisor, or Dispatcher key.

Note

Place the logon key in the left key position on the Cencon Key Box.

To logon using a key, select Logon to Cencon with Key. If the key is recognized as valid, enter the password as requested.



Remember that this field is case sensitive and recognizes spaces as well as characters.

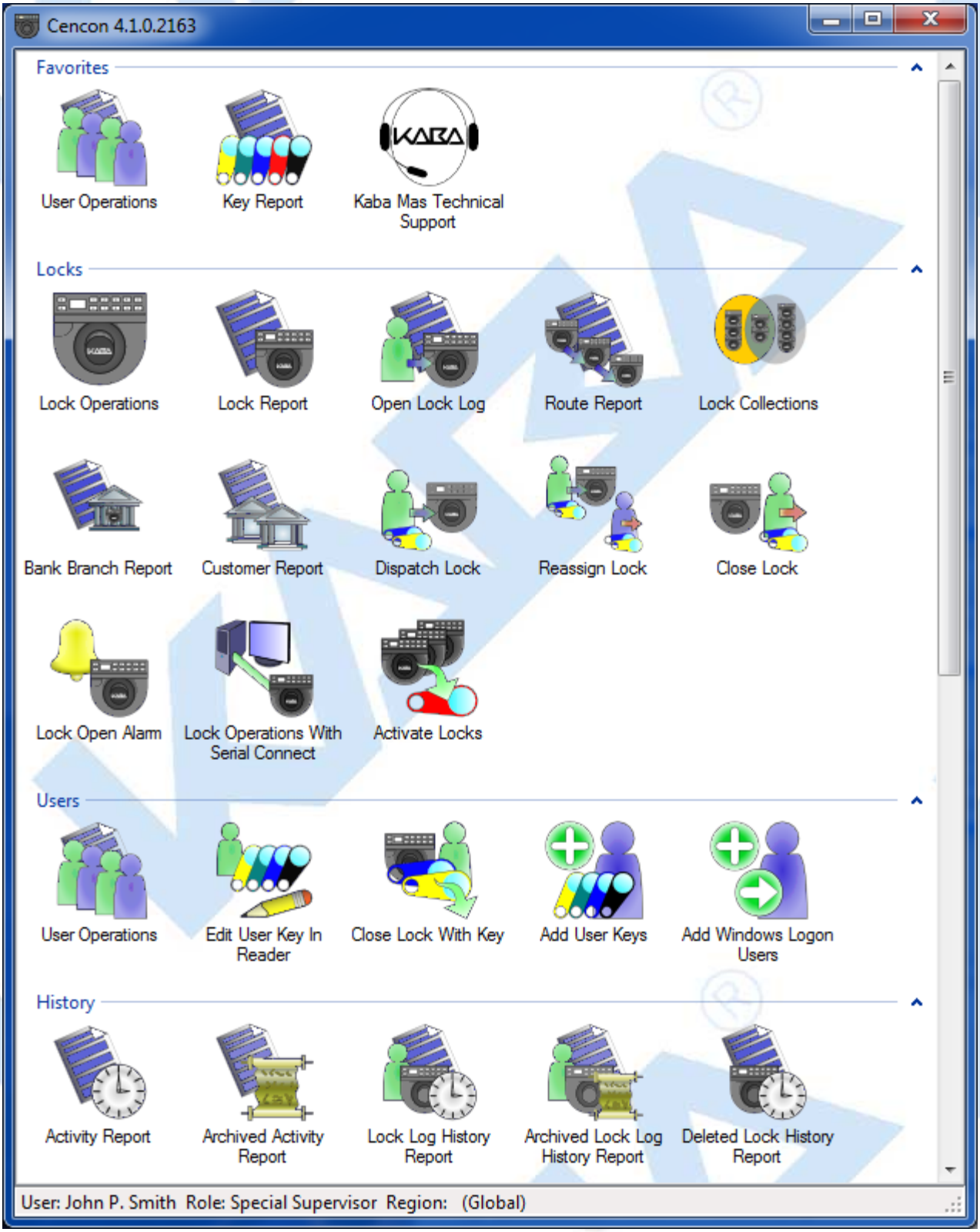
Note

You cannot logon to the system using a nickname, or a user ID. You must use the password specified for the key in the key reader. The key in the key reader identifies the user trying to log onto the Cencon® 4.1.5 System.

Hint

If a window is displayed indicating that the User ID doesn't pass authority check, first check to make sure that the appropriate key is in the reader and that the reader is properly connected.

After a successful logon, the Cencon 4.1.5 Main Menu window is displayed. Some of the items in the below window may not be displayed on your system depending on your user authority settings.



The Status Bar is located at the bottom of the Cencon Main Menu screen. Prior to logon, this area displays the Cencon software version information. After logon, this bar displays the name of current logged on user, their assigned role, and region information (if region control is active).

© 1996-2013 Kaba Mas LLC

Prepare System for Operation

Before Creating Users and Activating Locks...

Depending on how you are using Cencon, certain information must be predefined so that it is available for selection during the process of creating users and activating locks. This data includes:

- Bank Branches: If you are going to create any Bank users or locks, you must first define the Bank Branches to which they will be assigned using the Bank Branch Report.
- User Types: If want to assign a customized authorization role to any new users, you need to create the new user roles before creating the users. See User Authorization for more information.
- Region Definitions: If you are going to use Region control, you should first define your regions using the Region Report.
- Customer ID: If you are going to assign a Customer ID to your users or locks, you should first define the Customers using the Customer Report.

For New Install of Cencon

The following activities must be performed to prepare the Cencon for operation.

1. Add appropriate FLM, Route, and Bank users
2. Activate Locks

Please refer to the Cencon Reference Manual (Document # 2071.127), found on the Cencon® 4.1.5 Software install source (DVD, USB drive, or download), for detailed instruction.

The Cencon Reference Manual

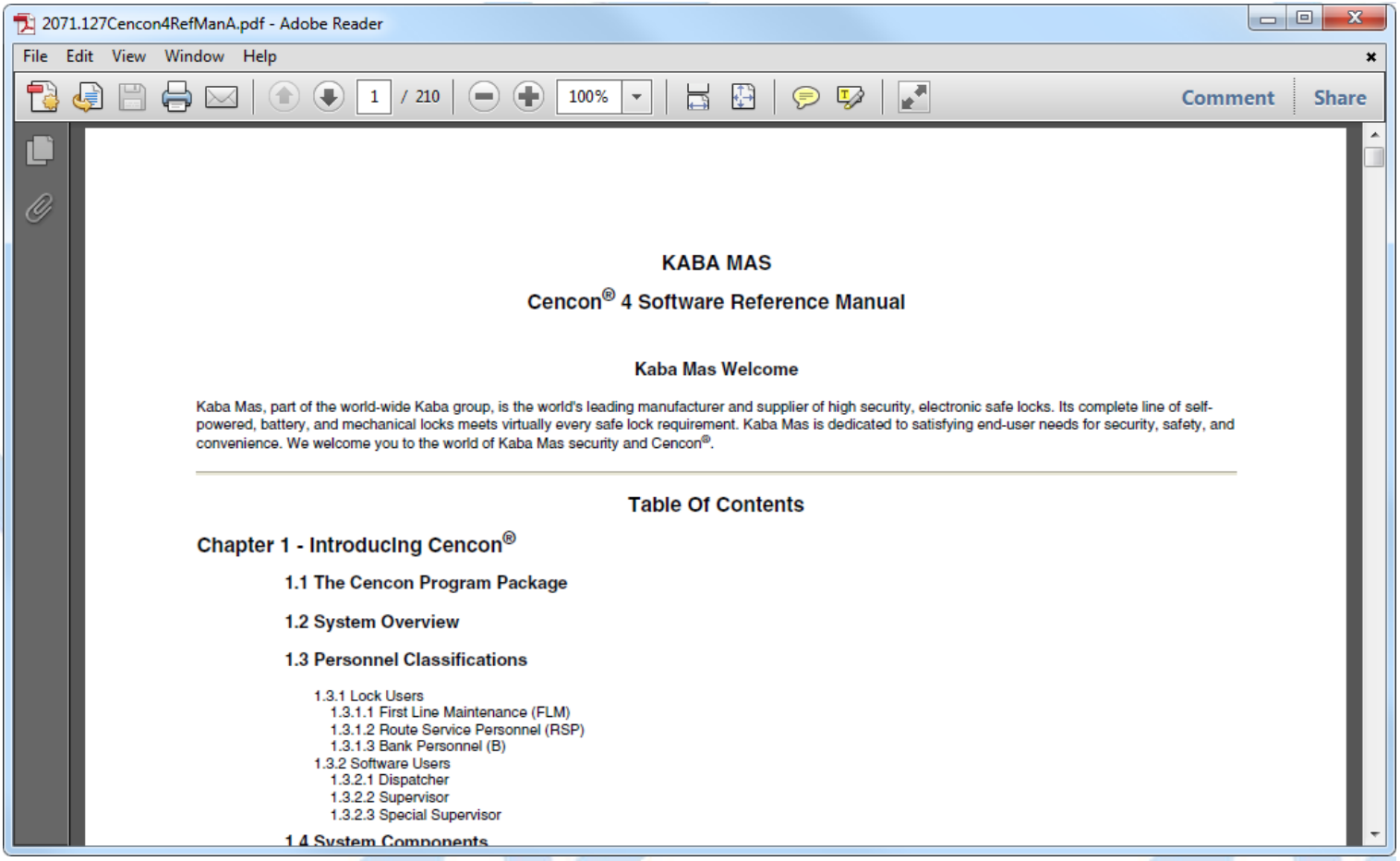
The Cencon® 4.1.5 Reference Manual is best viewed in your web browser as a normal web page. It can be accessed by pressing the Help button on the main Cencon Window.

You can also open the Cencon® 4.1.5 Reference Manual by selecting Start → All Programs → Cencon® 4.1.5 → Cencon® 4.1.5 Reference Manual.

If you want to print the current page of the manual, select File → Print on you web browser.

If you want to print the entire Reference Manual or this Getting Started Guide:

1. If your install source is a DVD, insert the Cencon® 4.1.5 Install DVD into the appropriate drive of the PC. Your install source can be a DVD, USB drive, or download.
2. Browse to the Documents\Reference\Pdf directory.
3. Double click on the PDF version of the reference manual. The PDF version of the reference manual will be displayed in Adobe Acrobat reader.



4. Select the Print icon from the Adobe Acrobat Reader tool bar.

> **Note**
>
> If your printer has duplexing capability, you may want to select that as a Print option for the Reference Manual.

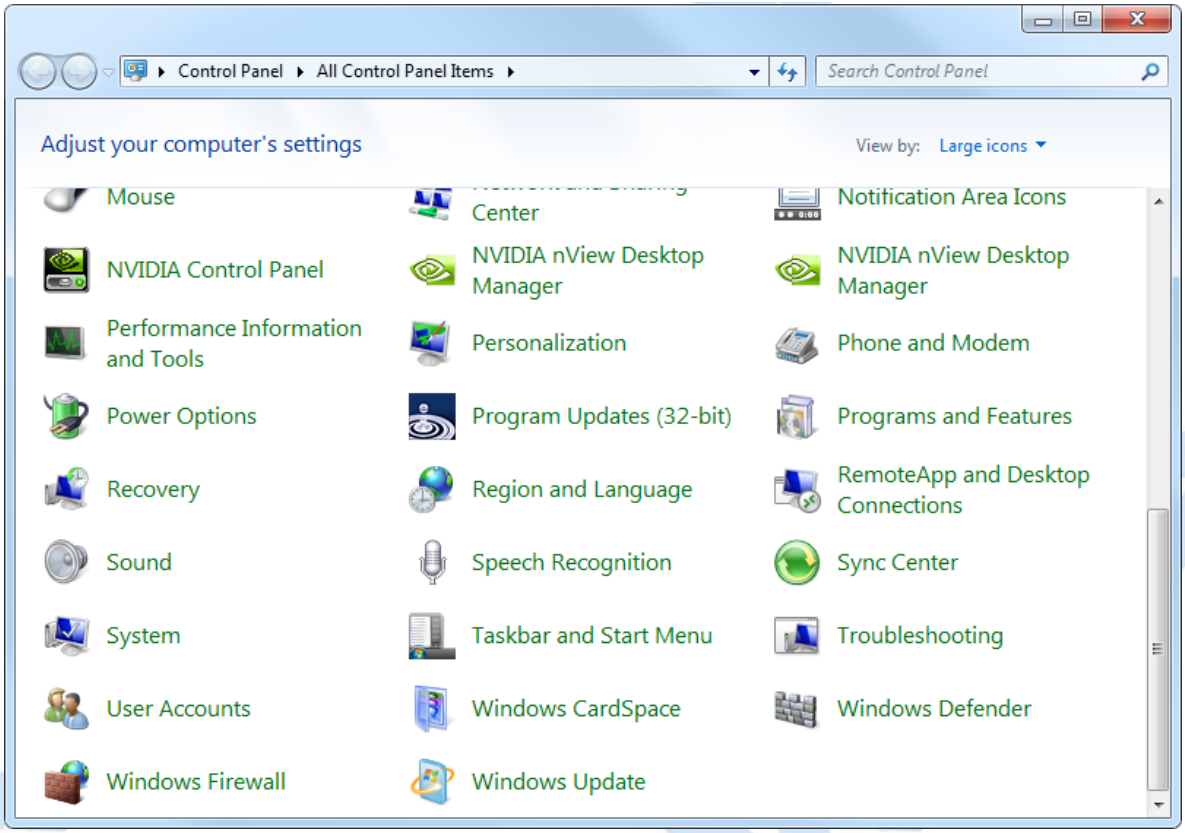
Remove Previous Cencon and CenBank Software

If you had a previous Windows based version of the Cencon software installed and have now upgraded to Cencon® 4.1.5, you should at some point remove the old version of the software. It is recommended that you ensure the upgrade to the new Cencon® 4.1.5 software completed successfully and that all old data has been brought successfully into the new database before you remove the old software.

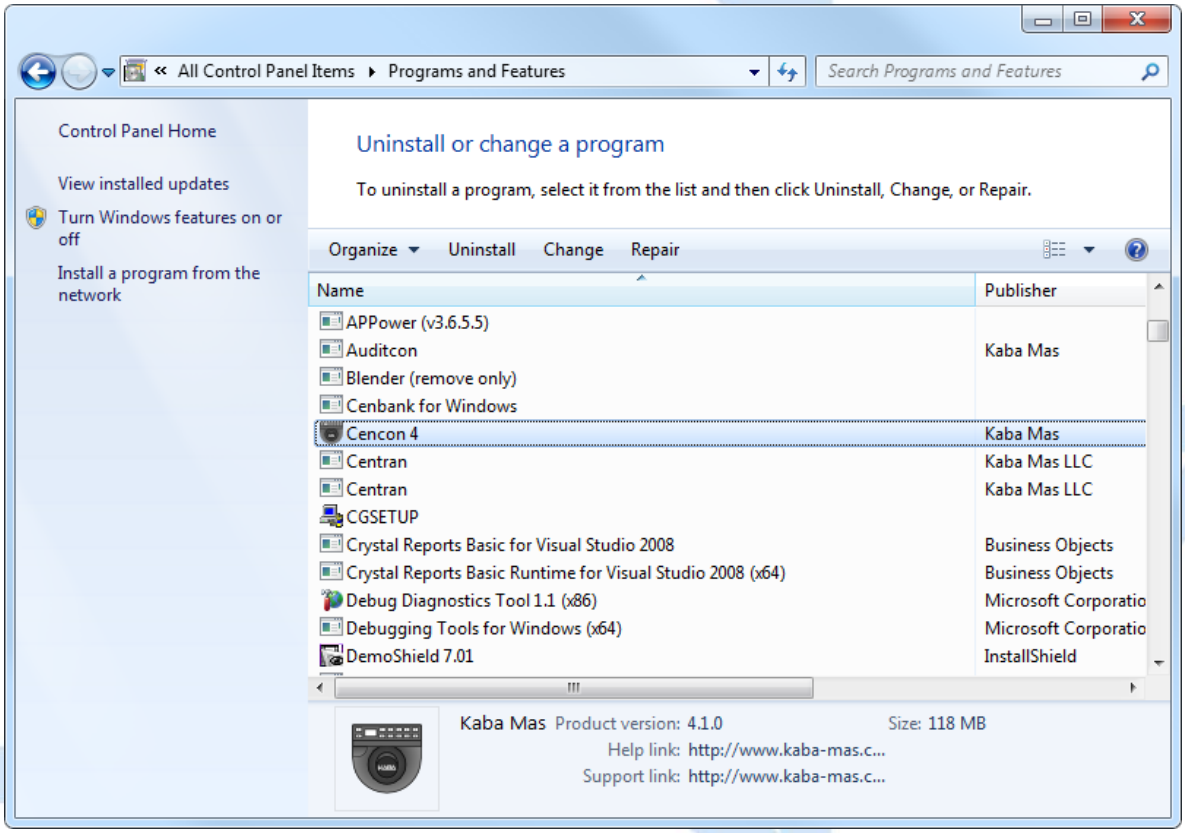
> **Note**
>
> Removal of the previously installed program will not affect any currently existing data files.

Complete the following steps to remove the previous Cencon programs (this example shows the removal of Cencon 3.0/3.1):

1. Select the Start icon in the lower left of the Windows screen.
2. Next select the Control Panel icon. The Control Panel Window is displayed:



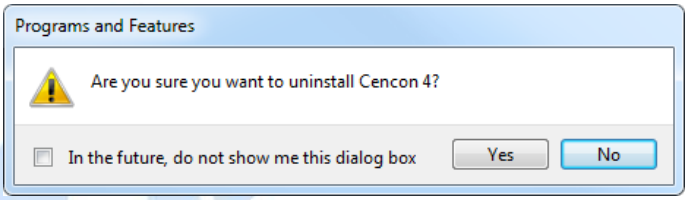
3. Click on the Programs and Features icon. The Programs and Features window is displayed:



4. Select Cencon 4.1.5 in the program list and click on Uninstall button on the tool bar.

Note
Removing the currently installed Cencon application and all of its components will not affect any currently existing database information.

A confirmation dialog will appear:



5. Click on the Yes button to continue.
6. The Cencon® 4.1.5 software program will be removed from the list.

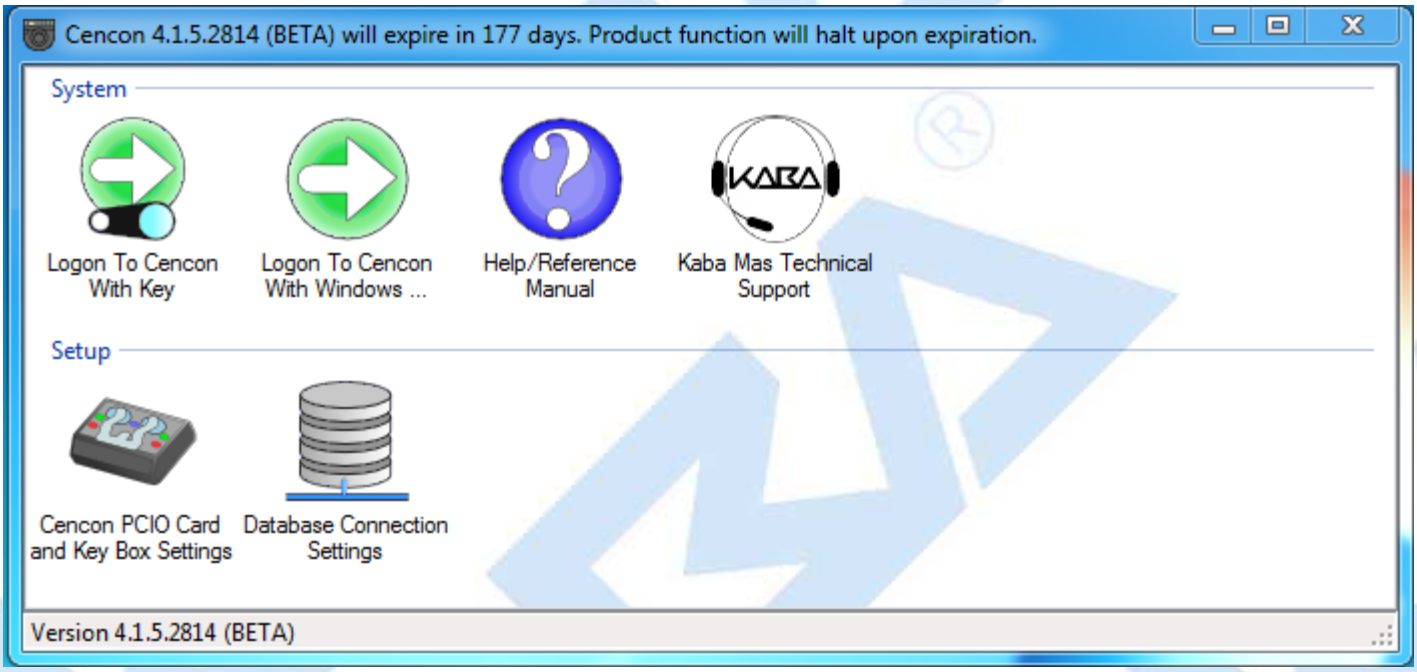
© 1996-2013 Kaba Mas LLC

Cencon® 4.1.5 Getting Started Guide

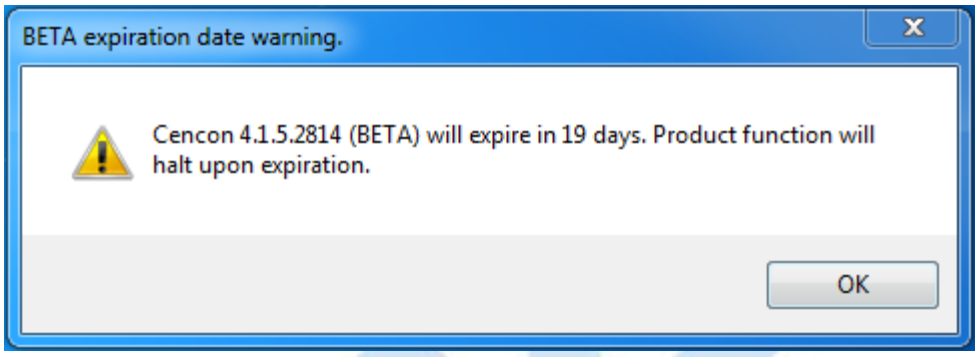
Appendix A - Beta Expiration

The beta versions of Cencon will be assigned an initial expiration date of 180 days past the date of creation by Kaba Mas. When the expiration date is reached Cencon will cease functioning.

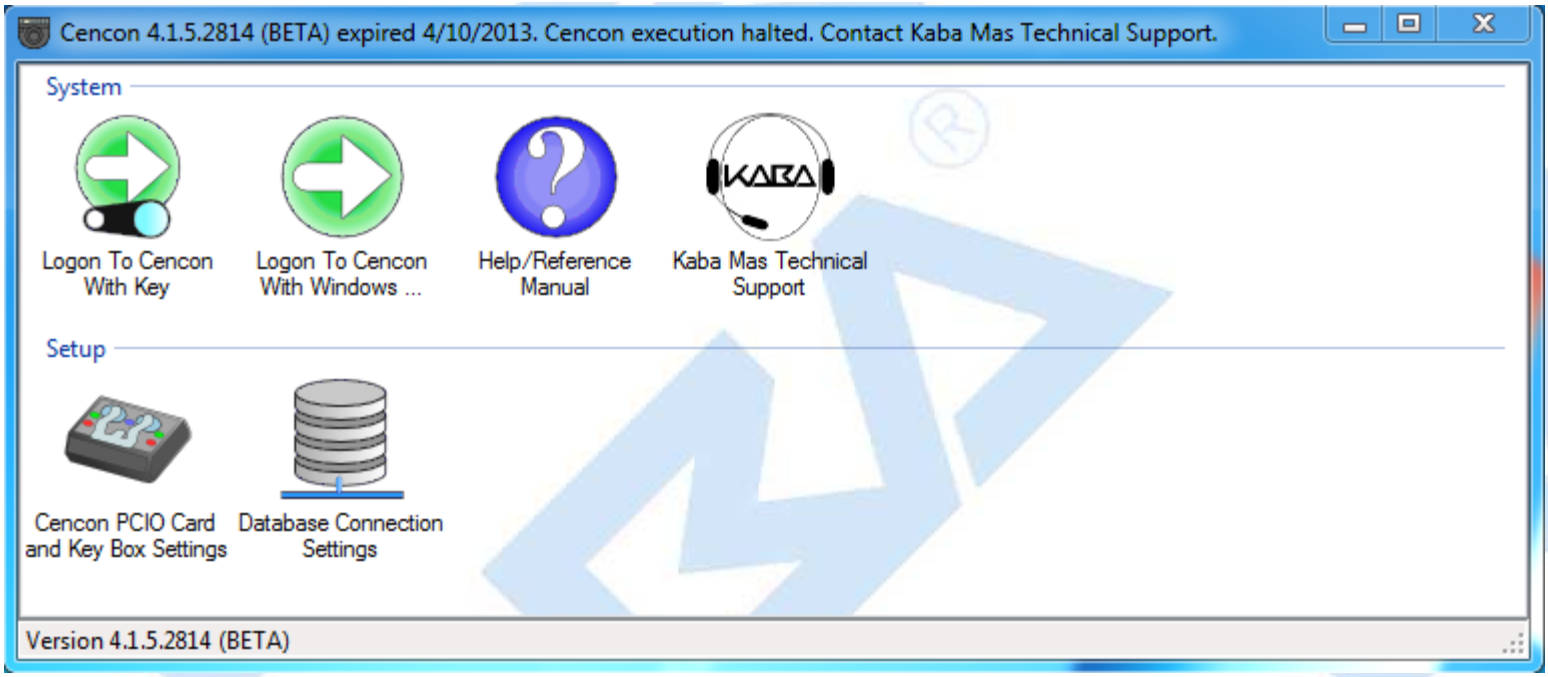
The customer will be notified of the number of days left until Cencon expiration via the Cencon window title. For example



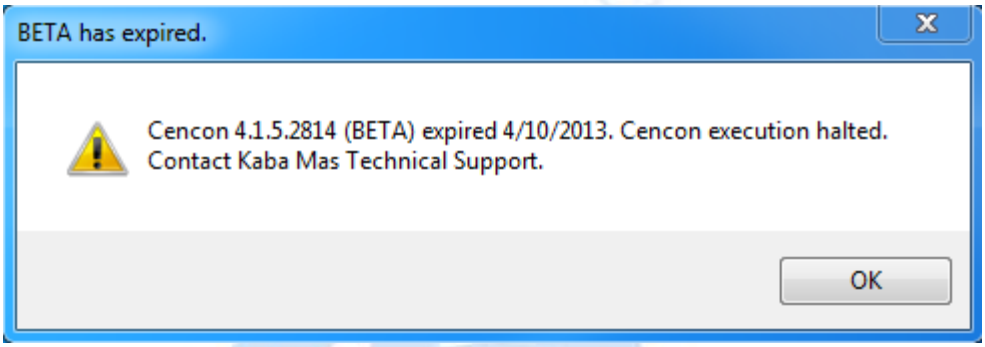
When Cencon is within 60 days of the expiration date, popup messages will be issued when the user logs into Cencon. For example



When Cencon has reached the expiration date the Cencon window title will state that the beta has expired. For example



When Cencon has reached the expiration date Cencon logon will be prohibited. When the user attempts to logon to Cencon a popup message will be issued. For example



In future Beta releases the customer will be provided with the ability to reset the Cencon expiration date as well as the date on which the warnings begin with help from Kaba Mas Technical Support.

© 1996-2013 Kaba Mas LLC