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[®].

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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.

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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.







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.)

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.

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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

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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.

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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



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:



RETURN UpdateDriverForPlugAndPlayDevices	S.	
Installation was successful.		
Driver package installation successful!		
Install completed		
RETURN: DriverPackageInstallW (0x0)		
Completed setup of Cencon PCIO PCI card virtu	ual device driver successfully.	
Installing Cencon PCIO PCI card device driver	(PCIOPCI_device.inf)	
ENTER: DriverPackageInstallW		
Installing INF file 'D:\Projects\Cencon4Trunk\C	CenconCDImage\Drivers\Windows_64bit\PCICard_redist\PC	101
Looking for Model Section [DeviceList.NTamd6	64]	
Installing devices with Id "PCI\VEN_11B0&DE\	V_0200&SUBSYS_0001176E&REV_00" using INF "D:\Wind	low
ENTER UpdateDriverForPlugAndPlayDevices		
Driver package installation successful!		
RETURN UpdateDriverForPlugAndPlayDevices	S.	
Installation was successful.		
Driver package installation successful!		
Install completed		
RETURN: DriverPackageInstallW (0x0)		
Completed setup of Cencon PCIO PCI card dev	vice driver successfully.	
Constant data and the state of the state of the		=
Copying anver DLLs to system airectones		
Driver installation successful!		
Driver install finished.		-
٠ III		•

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 <u>Next</u> > to continue with the installation.
 The Software License Agreement acceptance screen is displayed.

		100
늻 Cencon 4		
License Agreement		KARA" MAS
Please take a moment to read the license Agree", then "Next". Otherwise click "Car	agreement now. If you accept the t ncel".	erms below, click ''I
A	TTENTION!	^
READ THIS AGREEM	ENT BEFORE INSTALI OFTWARE.	LING THE
KABA MAS SERVER S CENCON®	OFTWARE LICENSE AGR	EEMENT
This is a legal agreement betwee	en Kaba Mas, LLC (Kaba Mas) (of Lexington, KY 👻
This is a legal agreement betwee	en Kaba Mas, LLC (Kaba Mas) (• Agree	of Lexington, KY 👻

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[®]



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:

Confirm Installat	ion	KARA	
The installer is ready to insta	ll Cencon 4 on your computer.		
Click "Next" to start the inst	allation.		
	Cancel <	Back Next>	

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

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

Installing Cencon 4		KARA' MAS
Cencon 4 is being installed.		
Please wait		
	Cancel	Back Nevts

f. Click on the **<u>Next</u> >** button to continue.

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



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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>

Sustem Data So	am DSN File DSN Drivers Tracing Connection Pooling Abo
Name	Driver Add Remove Configure
An 0 the i on t	DDBC System data source stores information about how to connect indicated data provider. A System data source is visible to all users his machine, including NT services.

3. Select the driver and click Finish >

I.

Create New Data Source	Select a driver for which you want to set up a	data source.
	Name Microsoft Visual FoxPro Driver Microsoft Visual FoxPro-Treiber Oracle in OraClient11g_home1 Oracle RDB Driver SQL Native Client SQL Server SQL Server Native Client 10.0	
	< <u>B</u> ack Finish	Cancel

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

4. Click Next>



	This wizard will help you create an ODBC data source that you can use to connect to SQL Server.	
Monor	What name do you want to use to refer to the data source?	
SQL Server 2008 R2	Name Cencon4	
	How do you want to describe the data source?	
	Description:	
	Which SQL Server do you want to connect to?	
	SQLEXPRESS	

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

	How should SQL Server verify the authenticity of the login ID?					
	With Integrated Windows authentication.					
SQL Server 2008 K2	S <u>P</u> N (Optional):					
	\odot With <u>SQL</u> Server authentication using a login ID and password entered by the user.					
	Login ID: kholme					
	Password:					
	☑ Connect to SQL Server to obtain default settings for the additional configuration options.					
	< <u>B</u> ack Next >>> Cancel Help					

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>

	Change the default database to:	
	master	
	SQL Server 2008 R2 Mirror server:	
	S <u>P</u> N for mirror server (Optional):	
	Attac <u>h</u> database filename:	
	 ✓ Use ANSI quoted identifiers. ✓ Use ANSI nulls, paddings and warnings. 	
	< Back Cancel Help	
Important	Note	
Only Englis	h is supported	
lick Finish >		



9. Click OK > to close

<u>S</u> ystem Data So	urces:			
Name	Driver		A <u>d</u> d	
Cencon 4	SQL Server Native	e Client 10.0	Remove	
			<u>C</u> onfigure	
	DBC Custom data assure			
the i	ndicated data provider. A his machine, including NT	e stores information ad A System data source services	is visible to all users	
	Сок	Cancel	Apply Help	
		- Y		

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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 >

User DSN Sys	tem DSN	File DSN	Drivers	Tracing	Connectio	on Poolin	g Abo	out	
<u>S</u> ystem Data S	ources:								
Name	[Driver				\leq	A <u>d</u> d	>	
							<u>R</u> emove	•	
								_	
							oningure.		
							onngure.		
							oningure.		
							oningure.		
							oningure.		
							oningure.		
An	ODBC Sy indicated	ustem data s	ource stor	es informal	ion about	how to c	onnect l	to	
An the on	ODBC Sy indicated this mach	vstem data s I data provic ine, includin	ource stor Jer. A Sys g NT serv	es informal tem data s ices.	ion about ource is v	how to c	onnect all users	to	
An the on	ODBC Sy indicated this mach	vstem data s d data provic ine, includin	ource stor Jer. A Sys Ig NT serv	es informal tem data s ices.	ion about ource is v	how to c	onnect I all users	to	

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

I

	Name	Version	Com
- Carl	Oracle in instantclient_11_2	11.02.00.03	Orac
	SQL Native Client	2005.90.5000.00	Micro
	SQL Server	6.01.7601.17514	Micro
	SQL Server Native Client 11.0	2011.110.2100.00	MICR
	4		
	•		-
	- Pack	Finish	
	< back		ncei

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 <u>Database User Permissions (Oracle)</u> 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

ĺ	Oracle ODBC Driver Configuration						
	Data Source Name U	Jracle CENCUN_DATA					
	Description C	Cencon Database					
	TNS Service Name 1	0.108.1.52:1521/orcl					
	User ID C	ENCON_DATA					
	Application Oracle Workarounds SQLServer Migration						
	Enable Result Sets	Enable Query Timeout 🔽 Read-Only Connection 🔲					
	Enable Closing Cursors	Enable Thread Safety					
	Batch Autocommit Mode	Commit only if all statements succeed					
	Numeric Settings	Use Oracle NLS settings					





	User DSN System DSN File DSN Drivers Tracing Connection Pooling About	
	System Data Sources: Add Name Driver Add Oracle CENCON_DATA Oracle in instantclient_11_2 Remove Configure Configure	
	An ODBC System data source stores information about how to connect to the indicated data provider. A System data source is visible to all users on this machine, including NT services.	
	OK Cancel Apply Help	
A		

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(0)

Database Permissions for SQL Server

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 SQI or Network Login

Change Default Database to Cencon

elect a page	🔄 Script 👻 🛐 Help			
 General Server Roles User Mapping Securables Status 	Login name: Script • Login name: SQL Server authentication Password: Confirm password: Specify old password Old password: Enforce password expire	Cencon User		S <u>e</u> arch
Connection Server: KHOLMESW7LT\SQLEXPRESS Connection: MHG\KHOLME Priew connection properties	 User must change passw Mapped to certificate Mapped to asymmetric key Map to Credential Mapped Credentials 	vord at next login	Provider	▼ ▼ ▲dd
Progress Ready	Default <u>d</u> atabase: Default language:	CENCON4 <default></default>		Remo <u>v</u> e ▼

2. Select Server Roles >

I

Public is selected by default

Select a page General	🗊 Carina — 🖪 Unit
Server Roles User Mapping Securables Status	Server role is used to grant server-wide security privileges to a user. Server roles: bulkadmin dbcreator diskadmin processadmin public securityadmin serveradmin sysadmin
Connection Server: KHOLMESW7LT\SQLEXPRESS Connection: MHG\KHOLME IView connection properties	
Progress Beady	
	OK Cancel

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>

Select a page General Server Balas	🖾 Script 🔻 🚺 Help						
🚰 User Mapping	Users mappe <u>d</u> to this login:						
Securables	bles Map Database User Default Schema Map Database User Default Schema Image: CENCON4 Cencon User Image: CENCON4 Image: CENCON4 Image: The start of the s						
🚰 Status							
model							
	tem/	odb					
Connection	Guest accou	int enabled for: CEN embership for: CEN	CON4				
0	db_accessadmin						
Server: KHOLMESW7LT\SQLEXPRESS	db_backupc	operator lor					
Connection:	db_datawrite	Image: Contract of the second seco					
MHG\KHOLME	🚺 db_ddladmir						
View connection properties	db_denydatareader						
Progress	db_securityadmin						
Beadu	Opublic						
() Heady							
				Cox Cancel			
					<u> </u>		
	$\overline{\langle}$	5					
		5					

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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:

unlimited USERS:

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:





```
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"
_________UUTA UNLIMITED ON "USERS"
```

.



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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 >

<image/> <section-header><text><text><text><text><text><text><text><text><text></text></text></text></text></text></text></text></text></text></section-header>	🐻 Install 64 Bit Ce	encon Software	×	
		Ceenco Version 4.1.5 1. Install the SQL 2008 R2 ODBC Driver SQL ODBC Driver 1. Set up Cencon Database (ptional if already set up) Set Up Cencon Database (stall the Hardware Drivers Mindows 64 Bit Drivers 1. Install 64 Bit Cencon Software Cencon	<text></text>	
Note

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

23

- 0 Cencon Database Setup Utility 4.1.5.2521 Select or Create an ODBC Connection Setup Phase Select or Create an Open Database Connectivity (ODBC) connection **ODBC Connection** Select or Create ODBC Data Source ODBC Database **ODBC** Schema X Select Data Source Select Operation File Data Source Machine Data Source Import Cencon 1.5.X Data Data Source Name Туре Description Import CenBank Data Cencon 4 System Ξ cencon4 master System Assign Import Region dBASE Files User Procedures / Constraints Dynamics GP System engtestsrv24gb SQL System Authorizations Excel Files User ibigdon oraala Custor 111 Data Validation New... Database File Size Confirmation A Machine Data Source is specific to this machine, and cannot be shared. "User" data sources are specific to a user on this machine. "System" data Perform Operations sources can be used by all users on this machine, or by a system-wide service. OK Cancel Help Cancel

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 >

Cencon Database Setup Utility 4.1.5.2521



Setup Phase

Select or Create an ODBC Connection

Select or Create an Open Database Connectivity (ODBC) connection

ODBC Connection	Select or Create ODBC Data Source	
Select Operation	Data Source Name:	Concer 4
Import Concor 1.5 V Data	User ID:	MHG\kholme
Import Cencon 1.5.X Data	Database Administrator:	Yes
Import CenBank Data	Database Management System Name:	Microsoft SQL Server
Assign Import Region	Database Management System Version:	10.00.4064
Procedures / Constraints	Server Name:	SQLEXPRESS
	Database Name:	CENCON4
Authorizations	Instance Name:	SQLEXPRESS
Data Validation	Default Schema Name:	dbo
Databasa Fila Siza	Case Sensitive:	No
Database File Size	Workstation Lime and Zone:	2012/02/16 14:50:45 : Eastern Standard Time
Confirmation	DB Server Time and Zone:	2012/02/16 14:50:45 : (UTC -5 Hours)
Perform Operations	Workstation IP Address:	Local
	Database Server IF Address.	2521
	Database Setup Utility Version:	2521
	Database octap chility volsion.	

Next >>

Cancel

- 0

X

Note

The database name cannot start with numbers or symbols.

4. Type the Database name to be created. 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 >

- 0 X Cencon Database Setup Utility 4.1.5.2521 **KARA** Select Database Operation Setup Phase Select one of the following operations: ODBC Connection ۲ Create Cencon database. ODBC Database Update the existing Cencon database. ODBC Schema Do maintenance of an existing Cencon database. (Does not create missing database tables.) Select Operation Import Cencon 1.5.X Data Report on an existing Cencon database without making changes. Import CenBank Data Assign Import Region Data Validation Database File Size Confirmation Perform Operations << Back Next >> Cancel

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

Cencon Database Setup Utility 4.1.5.2521	
KARA	Import Data From Cencon 1.5.X Data Files
Setup Phase	Do you need to import data from Cencon Version 1.5 X files?
ODBC Connection	Data from the files will be loaded into the database.
ODBC Database	Import Cencon Version 1.5.X files
ODBC Schema	
Select Operation	
Import Cencon 1.5.X Data	
Import CenBank Data	
Assign Import Region	
Data Validation	
Database File Size	
Confirmation	
Perform Operations	
	< Back Next >>> Cancel
If you have data to import from 1.5 v	ersions of Cencon
Click the check box > Enter or brows	e to the 1.5 Cencon data. Select what files you want imported
7a.Click Next >	
	42



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



- -Import Data From CenBank Data Files Setup Phase Do you need to import CenBank data files? ODBC Connection This will set up the data from the selected CenBank installation (or multiple installations) in the Cencon database. You will need to select the location of the files to import from. ODBC Database ODBC Schema 💿 Do not import CenBank data. Select Operation Import files from a single CenBank Installation from the selected directory. Import Cencon 1.5.X Data Import files from multiple CenBank Installations from subdirectories of the selected directory. Import CenBank Data Data Validation Database File Size Confirmation Perform Operations << Back Next >> Cancel

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	k Next >		
		\wedge	

KARA	Select Data Validation Processes
Setup Phase	Do you need to validate or correct errors with the Cencon locks?
ODBC Connection	This will scan the locks in the Cencon database and correct any errors that are found. If you are importing data, it is recommended that you also check for errors in the database afterwards.
ODBC Database	Validate and Do Corrections On Data For Open Locks (Long Operation)
ODBC Schema	Do you need to validate the user dispatch counts?
Select Operation	This will scan the users and correct how many locks each user is dispatched to. If you are importing data, it is recommended that you also check for errors in the database afterwards.
mport Cencon 1.5.X Data	Validate and Do Corrections on Data For Dispatched Users (Long Operation)
mport CenBank Data	Do you need to check the user authorization roles?
Procedures / Constraints	This will scan the users and correct each user authorization role if it is not set correctly. This validation is recommended if you are upgrading from a previous version of Cencon database
Authorizations	Validate and Do Corrections On User Authorization Roles
Data Validation	Do you need to check the Collections, Customer IDs and Regions?
)atabase File Size	This will correct any errors that are found. If you are importing data, it is recommended that you also check for errors in the database afterwards.
Confirmation	Validate and Do Corrections on Collections, Customer IDs, and Regions
Perform Operations	
	< Back Next >> Cancel
Important Note	
The purpose for resizing is a Increasing the size removes If this is a new database set	when importing legacy data the DBMS transaction log may reach its restricted file growth. this concern of repeated auto growth. up 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.

Cencon Database Setup Utility 4.1.5.2521					
	Review and Upda	ite Databa	ase File	Size	
Setup Phase ODBC Connection ODBC Database ODBC Schema	Do you need to resize your of If your database files are too small for the each operation. Increasing your database Increase Database File Sizes	database files pi e operations, it will slow æ file size first will impro	rior to doing d the operations dow ove performance.	atabase opera	ations? database with
Select Operation	Database Name/Catalog	File Size (MB)	Space Used	Free Space (MB)	New File Size
Import Cencon 1.5.X Data	► CENDATA	2	1	0	2
Import CenBank Data	CENDATA_log	0	0	0	1
Assign Import Region					
Data Validation					
Database File Size	base File Size				
Confirmation	Confirmation				
Perform Operations					
			<< Back	Next >>	Cancel

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

Review Selections Before Processing Starts

Setup Phase ODBC Connection ODBC Detabase	Operatio	on Summary	
ODBC Database	Oracle Database Management System Settings		
Select Operation			
Import Concor 1 5 X Data			
Import Cericon 1.5.X Data	Database Administrator	No.	
Import CenBank Data	Cencon Application Userid		
Procedures / Constraints	Database Management System Name	Oracle	
Authorizations	Database Management System Version	10.02.0030	
Confirmation	Database Server Name	kmltestlano1	
Perform Operations	Database Name	ORCL.REGRESS.RDBMS.DEV.US.ORACLE.COM	
r enorm operations	Database Instance Name	orcl	
	Database Default Schema Name	CENCON_DATA	
	Database Case Sensitive	Yes	
	Workstation Time and Zone	2012/08/30 12:16:57 : Eastern Daylight Time	
	Database Server Time and Zone	2012/08/30 12:16:57 : (UTC -07 Hours)	
	Workstation IP Address 10.108.6.103		
	Database Server IP Address 10.108.1.52		
	Database Specified Schema Name		
	Database Instance Name	orcl	
	Cencon Database Version Number		
	Cencon Database Setup Utility Version Number	r 2762	
	Database Setup Utility	Operation Option Selections	
	 Importing file option not selected. Importing audits option not selected. Importing locks option not selected. Importing log potion not selected. Importing log sync locks option not selected. 		
		< Back Next >> Cancel	

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

Perform Selected Database Operations Setup Phase X Save As ODBC Connection 📃 Desktop 🕨 + 4+ Search Desktop Q ODBC Database New folder 88 -? Organize • ODBC Schema . 🚞 Libraries 🚖 Favorites Select Operation 🜉 Computer 🚺 Downloads E Import Cencon 1.5.X Data 📬 Network 📃 Desktop 📃 Recent Places Import CenBank Data Confirmation 📄 Libraries Perform Operations 💻 Computer 🏯 Local Disk (C:) File name. Ŧ Save as type: HTML files (*.htm) -Cancel Save Hide Folders Close

- 0 X



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Cencon[®] 4.1.5 Getting Started Guide

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: <u>Database User Permissions (Oracle)</u>

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

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

Cencon Database Setup Utility 4.1.5.276	2	
KARA	Select or Create an ODBC Connection	
Setup Phase	Select or Create an Open Database Connectivity (ODBC) connection	
ODBC Connection	Select or Create ODBC Data Source	
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		
		Cancel



	Select Data Source	ata Source		
	Data Source Name	Type Description		
	dBASE Files	User		
	MS Access Database	User		
	Oracle CENCON_DATA	System Cencon Database		
	Visio Database Samples	User		
			New	
	A Machine Data Source is s	specific to this machine, and cannot be share	ed.	
	sources can be used by all u	users on this machine, or by a system-wide s	ervice.	
		UK Cancei	neip	
Note				
When selecting an ODBC conn	action this may take a mor	ment to load Data Source informa	tion	
	terion this may take a mor			
3. Review Data then Click Next >				

Select or Create an ODBC Connection

Setup Phase	Select or Create an Open Data	abase Connectivity (ODBC) connection
ODBC Connection	Select or Create ODBC Data Source	
ODBC Database	Data Source Name:	Oracle CENCON_DATA
ODBC Schema	User ID:	CENCON_DATA
Select Operation	Database Administrator: Database Management System Name:	No Oracle
Import Cencon 1.5.X Data	Database Management System Version:	10.02.0030
Import CenBank Data	Server Name: Database Name:	kmitestiano1 ORCL REGRESS RDBMS DEV/US ORACLE COM
Assign Import Region	Instance Name:	orcl
Procedures / Constraints	Default Schema Name: Case Sensitive:	CENCON_DATA
Authorizations	Workstation Time and Zone:	2012/08/30 12:16:57 : Eastern Daylight Time
Data Validation	DB Server Time and Zone:	2012/08/30 12:16:57 : (UTC -07 Hours)
Database File Size	Workstation IP Address:	10.108.6.103
	Database Server IP Address: Database Setun Version:	10.108.1.52
Confirmation	Database Setup Utility Version:	2762
Perform Operations		
		Next >> Cancel
Note		
The Schema and User ID name car	nnot 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.

ODBC Connection ODBC Database	 Create / Update Cencon database. Update the existing Cencon database. 		
Select Operation	 Do maintenance of an existing Cencon database. (Does not create missing database tables.) 		
Import Cencon 1.5.X Data Import CenBank Data Assign Import Region Procedures / Constraints Authorizations Data Validation Database File Size Confirmation Perform Operations	Report on an existing Cencon database without making changes.		
nt importing data click Next > If you l	Seck Next >> Cancel have 1.5 version data to import see next screen		

Cencon Database Setup Utility 4.1.5.252					
Import Data From Cencon 1.5.X Data Files					
Setup Phase	Do you need to import data from Cencon Version 1.5.X files?				
ODBC Connection	Data from the files will be loaded into the database.				
ODBC Database	Import Cencon Version 1.5.X files				
ODBC Schema					
Select Operation					
Import Cencon 1.5.X Data					
Import CenBank Data					
Assign Import Region					
Data Validation					
Database File Size					
Confirmation					
Perform Operations					
	<< Back Next >>> Cancel				

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 >

KARA	Import Data F	From Cencon 1	I.5.X Data Files	
Setup Phase	Do you need to import data from Cencon Version 1.5.X files?			
ODBC Connection	Data from the files will be	Data from the files will be loaded into the database.		
ODBC Database	Import Cencon Version 1.5.	X files		
ODBC Schema	Both import file paths are rec	ouired.		
Select Operation	Location of Cencon Version 1.5	5.X files: (Required)		
Import Cencon 1.5.X Data	C:\152 cencon files	1.5 X look backup file: (Decrifted)		Browse
Import CenBank Data	CV152 concer Class Declar	Location of the Cencon Version 1.5.X lock backup file: (Required)		
Assign Import Region	C:\152 cencon files\Backup			Browse
Data Validation	Select the legacy database	files that you want to import. It is	s recommended that you import all th	ie files.
Database File Size	 Locks File Locks Backup Data File 	V Users File	 Routes File Activity Log File 	
Confirmation	Update Locks With Data Fro	om Lock Dispatch Log History (Long	Operation)	
Perform Operations				
			< Back Next >>>	Cancel

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





X



Cencon Database Setup Utility 4.1.5.2521	
KARA	Import Data From CenBank Data Files
Setup Phase	Do you need to import CenBank data files?
ODBC Connection	This will set up the data from the selected CenBank installation (or multiple installations) in the Cencon database. You will need to select the location of the files to import from.
ODBC Schema	💿 Do not import CenBank data.
Select Operation	OImport files from a single CenBank Installation from the selected directory.
Import Cencon 1.5.X Data	
Import CenBank Data	Import files from multiple CenBank Installations from subdirectories of the selected directory.
Assign Import Region	Location of CenBank files: (Required)
Data Validation	C:\Cenbank files Browse
Database File Size	
Confirmation	
Perform Operations	
	<< Back Next >>> Cancel

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.



KARA	Select Data Validation Processes
Setup PhaseODBC ConnectionODBC DatabaseODBC SchemaSelect OperationImport Cencon 1.5.X DataImport CenBank DataProcedures / ConstraintsAuthorizationsData ValidationDatabase File SizeConfirmationPerform Operations	 Do you need to validate or correct errors with the Cencon locks? This will scan the locks in the Cencon database and correct any errors that are found. If you are importing data, it is recommended that you also check for errors in the database afterwards. ✓ Validate and Do Corrections On Data For Open Locks (Long Operation) Do you need to validate the user dispatch counts? This will scan the users and correct how many locks each user is dispatched to. If you are importing data, it is recommended that you also check for errors in the database afterwards. ✓ Validate and Do Corrections on Data For Dispatched Users (Long Operation) Do you need to check the user authorization roles? Do you need to check the user authorization role if it is not set correctly. This validation is recommended if you are upgrading from a previous version of Cencon database. ✓ Validate and Do Corrections On User Authorization Roles Do you need to check the Collections. Customer IDs and Regions? This will correct any errors that are found. If you are importing data, it is recommended that you also check for errors in the database afterwards. ✓ Validate and Do Corrections on Collections, Customer IDs, and Regions?
	<< Back Next >> Cancel

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

KARA

Review Selections Before Processing Starts

Setup Phase	Operation Summary		
ODBC Connection			
ODBC Database			
ODBC Schema	Oracle Database Management System Settings		
Select Operation	Data Source Name	Oracle CENCON_DATA	
Import Cencon 1.5.X Data	ODBC DSN User ID	CENCON_DATA	
Import CenBank Data	Database Administrator	No	
Procedures / Constraints	Cencon Application Userid		
Frocedures / Constraints	Database Management System Name	Oracle	
Authorizations	Database Management System Version	10.02.0030	E
Confirmation	Database Server Name	kmltestlano1	
Perform Operations	Database Name	ORCL.REGRESS.RDBMS.DEV.US.ORACLE.COM	
	Database Instance Name	orcl	
	Database Default Schema Name	CENCON_DATA	
	Database Case Sensitive	Yes	
	Workstation Time and Zone	2012/08/30 12:16:57 : Eastern Daylight Time	
	Database Server Time and Zone	2012/08/30 12:16:57 : (UTC -07 Hours)	
	Workstation IP Address	10.108.6.103	
	Database Server IP Address	10.108.1.52	
	Database Specified Schema Name		
	Database Instance Name	orcl	
	Cencon Database Version Number		
	Cencon Database Setup Utility Version Number	2762	
	Database Setup Utility (Operation Option Selections	-
	 Importing file option not selected. Importing audits option not selected. Importing locks option not selected. Importing audits option not selected. Importing log option not selected. Importing log option not selected. Importing log sync locks option not selected. 		Ŧ
		< Back Next >> Cancel	

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.

Cencon Database Setup Utility 4.1.5.2762

- 0 **X**

KARA	Perform Selected Database Operations	
Setup Phase		
ODBC Connection	Updating log table and log history table union view	^
ODBC Database	Updating route lock joined with lock table view Updating route and route lock and lock table join view	
ODBC Schema	Updating collection lock joined with lock table view Updating collection and collection lock and lock table join view	
Select Operation	Updating audit union with audit archive table view	
Import Cencon 1.5.X Data	Updating user combo issued and log dispatch view	
Import CenBank Data	Starting Undate of Defined Database Indexes	
Procedures / Constraints	Creating user table index for user ID and bank branch	
Authorizations	Creating user bank branch view index for user ID and bank branch	
Confirmation	Skinning Import of Legacy Cencon Data	
Perform Operations		
	Skipping Import of Legacy CenBank Data From Directories	
	Skipping Validation of Cencon Data	
	Updating Cencon Database Configuration Data	
	Updating Cencon database version information Writing configuration data for Cencon	
	Skipping Update of Database Audit Event Type Names	
	Delete Empty Routes	
	Delete routes which are not associated with any locks.	
	Setup Complete!	
	CenconDBSetupUtility Version 4.1.5.2762 Kaba Mas LLC	•
	Close]



- O X Cencon Database Setup Utility 4.1.5.2521 KARA Perform Selected Database Operations 🕞 D D 🖉 Setup Phase х Save As ODBC Connection 📃 Desktop 🕨 - 4y Search Desktop Q ODBC Database Organize 🔻 New folder ? ODBC Schema 🔚 Libraries 😭 Favorites Select Operation 🜉 Computer 🚺 Downloads Import Cencon 1.5.X Data 🕦 Network 📃 Desktop 📃 Recent Places Import CenBank Data Confirmation 🧊 Libraries **Perform Operations** 💻 Computer 🚢 Local Disk (C:) File name Ŧ Save as type: HTML files (*.htm) • Cancel 📥 Hide Folders Save Close 11. Click Close to close the Cencon[®] 4.1.5 Database Setup Utility.

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Cencon[®] 4.1.5 Getting Started Guide

Update Cencon Database

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.

Cencon Database Setup Utility 4.1.5.2521		_ 0	23
KARA	Select or Create an ODBC Connection		
Setup Phase ODBC Connection ODBC Database	Select or Create an Open Database Connectivity (ODBC) connection Select or Create ODBC Data Source		
ODBC Schema Select Operation	Select Data Source		
Import CenBank Data Assign Import Region Procedures (Constraints	Data Source Name Type Description Cencon 4 System cencon4 master System dBASE Files User Dupamics GP Sustem		
Authorizations Data Validation	engtestsrv24gb SQL System Excel Files User		
Database File Size Confirmation Perform Operations	A Machine Data Source is specific to this machine, and cannot be shared. "User" data sources are specific to a user on this machine. "System" data sources can be used by all users on this machine, or by a system-wide service.		
	OK Cancel Help	Cancel	

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

Cencon Database Setup Utility 4.1.5.2521

KARA

Setup Phase

Select or Create an ODBC Connection

Select or Create an Open Database Connectivity (ODBC) connection

ODBC Connection	Select or Create ODBC Data Source	
Select Operation	Data Source Name:	Cencon 4
Import Cencon 1.5.X Data	User ID:	MHG\kholme
Import CenBank Data	Database Administrator:	Yes
Assian Import Region	Database Management System Version:	10.00.4064
Procedures / Constraints	Server Name:	SQLEXPRESS
Authorizations	Database Name:	CENCON4
Authorizations	Instance Name: Default Schema Name:	dbo
Data Validation	Case Sensitive:	No
Database File Size	Workstation Time and Zone:	2012/02/16 14:50:45 : Eastern Standard Time
Confirmation	DB Server Time and Zone:	2012/02/16 14:50:45 : (UTC -5 Hours)
Perform Operations	Database Server IP Address:	Local
	Database Setup Version:	2521
	Database Setup Utility Version:	2521

Next >>

Cancel

- -

х

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 >

Cencon Database Setup Utility 4.1.5.2521		
KARA	Select Database Operation	
Setup Phase	Select one of the following operations:	
ODBC Connection	Create Cencon database	
Select Operation		
Import Cencon 1.5.X Data	Update the existing Cencon database.	
Import CenBank Data	Do maintenance of an existing Cencon database. (Does not create missing database table)	es.)
Assign Import Region	Report on an existing Cencon database without making changes.	
Procedures / Constraints		
Authorizations	Note: For Undate Database and the Maintain Database Onerations all instances	of Cencon and
Data Validation	Centran which are connected to the selected database must be closed.	
Database File Size		
Confirmation		
Perform Operations		
	<< Back Next >>>	Cancel

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





KARA	Import Data F	From Cencon	1.5.X Data Files	;
Setup Phase	Do you need to impo Data from the files will be	rt data from Cencon Ver loaded into the database.	rsion 1.5.X files?	
ODBC Database ODBC Schema Select Operation	Import Cencon Version 1.5 Both import file paths are re- Location of Cencon Version 1.5	X files quired. 5X files: (Bequired)		
Import Cencon 1.5.X Data	C:\152 cencon files	n 1.5.X lock backup file: (Required)		Browse
Import CenBank Data Assign Import Region	C:\152 cencon files\Backup Select the legacy database	files that you want to import. It i	is recommended that you import al	Browse
Data Validation Database File Size Confirmation	 ✓ Locks File ✓ Locks Backup Data File ✓ Update Locks With Data Free 	 ✓ Users File ✓ Lock Dispatch Log File ∞ Lock Dispatch Log History (Long 	 Routes File Activity Log File g Operation) 	>
Perform Operations				
			<< Back	Cancel

- 0 X

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





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

encon Database Setup Utility 4.1.5.2	521 X
KARA	Select Database Authorizations Tables Update
Setup Phase	Do you want any previous user roles for authorizations to be reset?
ODBC Connection	If these authorizations do not exist, they will automatically be set up.
Select Operation	Reset / Overwrite Existing Authorization Role Definitions
Import Cencon 1.5.X Data	Do you need to update the audit event type names in your database?
Import CenBank Data	This will check that the descriptive event type name is set correctly on each audit based on the type of event.
Procedures / Constraints	Update the Audit Event Type Names in the Audit Event table and the Activity Log Tables
Authorizations	Note: For Update Database and the Maintain Database Operations, all instances of Cencon and Centran which are connected to the selected database must be closed
Data Validation	
Database File Size	
Confirmation	
Perform Operations	
	<< Back Next >>> Cancel



8. Click Next >

Cencon Database Setup Utility 4.1.5.2	
KARA	Select Database Authorizations Tables Update
Setup Phase	Do you want any previous user roles for authorizations to be reset?
ODBC Connection	If these authorizations do not exist, they will automatically be set up.
Select Operation	Reset / Overwrite Existing Authorization Role Definitions
Import Cencon 1.5.X Data	Do you need to update the audit event type names in your database?
Import CenBank Data	This will check that the descriptive event type name is set correctly on each audit based on the type of event.
Procedures / Constraints	Update the Audit Event Type Names in the Audit Event table and the Activity Log Tables
Authorizations	Note: For Update Database and the Maintain Database Operations, all instances of Cencon and Centran which are connected to the selected database must be closed.
Data Validation	
Database File Size	
Confirmation	
Perform Operations	
	<< Back Next >>> Cancel

Warning

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

9. Click Next >
<u>- 🗆 ×</u>

Select Data Validation Processes

Setup Phase

Select Operation

ODBC Connection

Import Cencon 1.5.X Data

Import CenBank Data

Procedures / Constraints

Authorizations

Data Validation

Database File Size

Confirmation

Perform Operations



This will scan the locks in the Cencon database and correct any errors that are found. If you are importing data, it is recommended that you also check for errors in the database afterwards.



Validate and Do Corrections On Data For Open Locks (Long Operation)

Do you need to validate the user dispatch counts?

This will scan the users and correct how many locks each user is dispatched to. If you are importing data, it is recommended that you also check for errors in the database afterwards.



Validate and Do Corrections on Data For Dispatched Users (Long Operation)

Do you need to check the user authorization roles?

Validate and Do Corrections On User Authorization Roles

This will scan the users and correct each user authorization role if it is not set correctly. This validation is recommended if you are upgrading from a previous version of Cencon database..



Do you need to check the Collections, Customer IDs and Regions?

This will correct any errors that are found. If you are importing data, it is recommended that you also check for errors in the database afterwards.



Note: For Update Database and the Maintain Database Operations, all instances of Cencon and Centran which are connected to the selected database must be closed.



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.

Cencon Database Setup Utility 4.1.5.252	1					
KARA	Re	eview and Upda	ite Datab	ase File	Size	
Setup Phase	. Do	Do you need to resize your database files prior to doing database operations? If your database files are too small for the operations, it will slow the operations down while resizing the database with each operation. Increasing your database file size first will improve performance.				
ODBC Connection	lfyd					
ODBC Database	eac					
ODBC Schema		Increase Database File Sizes				
Select Operation		Database Name/Catalog	File Size (MB)	Space Used (MR)	Free Space (MB)	New File Size
Import Cencon 1.5.X Data	•	CENDATA	2	1	0	2
Import CenBank Data		CENDATA_log	0	0	0	0
Assign Import Region						
Data Validation						
Database File Size						
Confirmation						
Perform Operations						
< Back Next >>> Cancel						
Warning						
The Cencon Database shoul	d alway	ys be backed up regularly. Re	view DBMS websit	e for back up m	ethodology.	

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.

KARA	Review Selections Before Proces	sing Starts
Setup Phase ODBC Connection Select Operation	Operation Summary	
Import Cencon 1.5.X Data	SQL Database Management System Se	ttings
Import CenBank Data	Data Database Backup	×
Procedures / Constraints Authorizations Data Validation Database File Size	ODB Data Data Data Data Data	imended that a database. Do you
Confirmation	Data	No No
Perform Operations	Database Instance Name SQLEXPRESS Database Default Schema Name dbo Database Case Sensitive No Workstation Time and Zone 2012/02/17 15:0 Database Server Time and Zone 2012/02/17 15:0	1:43 : Eastern Standard Time 1:43 : (UTC -5 Hours)
	Workstation IP Address Local	
	< Back	Next >>> Cancel

23

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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



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Cencon[®] 4.1.5 Getting Started Guide

Maintenance of Database

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.

Cencon Database Setup Utility 4.1.5.252	-	
KARA	Select or Create an ODBC Connection	
Setup PhaseODBC ConnectionODBC DatabaseODBC SchemaSelect OperationImport Cencon 1.5.X DataImport CenBank DataAssign Import RegionProcedures / ConstraintsAuthorizationsData ValidationDatabase File SizeConfirmationPerform Operations	Select or Create an Open Database Connectivity (ODBC) connection Select or Create ODBC Data Source	
		Cancel

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

Cencon Database Setup Utility 4.1.5.2521

Select or Create an ODBC Connection

Setup Phase Select or Create an Open Database Connectivity (ODBC) connection **ODBC Connection** Select or Create ODBC Data Source Select Operation Data Source Name: Cencon 4 User ID: MHG\kholme Import Cencon 1.5.X Data Database Administrator: Yes Import CenBank Data Microsoft SQL Server Database Management System Name: Database Management System Version: 10.00.4064 Assign Import Region Server Name: SQLEXPRESS Procedures / Constraints Database Name: CENCON4 Authorizations Instance Name: SQLEXPRESS Default Schema Name: dbo Data Validation Case Sensitive: No Database File Size Workstation Time and Zone: 2012/02/16 14:50:45 : Eastern Standard Time DB Server Time and Zone: 2012/02/16 14:50:45 : (UTC -5 Hours) Confirmation Workstation IP Address: Local Perform Operations Database Server IP Address: Local Database Setup Version: 2521 Database Setup Utility Version: 2521

Next >>

Cancel

- -

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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 >

KARA	Select Database Operation
Setup Phase	Select one of the following operations:
ODBC Connection	Create Cencon database.
Select Operation	Undeta the ovisting Concern detabase
Import Cencon 1.5.X Data	
Import CenBank Data	Do maintenance of an existing Cencon database. (Does not create missing database tables.)
Assign Import Region	Report on an existing Cencon database without making changes.
Procedures / Constraints	
Authorizations	Note: For Update Database and the Maintain Database Operations, all instances of Cencon and
Data Validation	Centran which are connected to the selected database must be closed.
Database File Size	
Confirmation	
	<< Back Next >> Cancel
If not importing data click Next >	If you have 1.5 version data to import see next screen

- 0

X

Cencon Database Setup Utility 4.1.5.2521	
KARA	Import Data From Cencon 1.5.X Data Files
Setup Phase	Do you need to import data from Cencon Version 1.5.X files?
ODBC Connection	Data from the files will be loaded into the database.
ODBC Database	Import Cencon Version 1.5.X files
ODBC Schema	
Select Operation	
Import Cencon 1.5.X Data	
Import CenBank Data	
Assign Import Region	
Data Validation	
Database File Size	
Confirmation	
Perform Operations	
	< Back Next >>> Cancel
	(59)

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 >

Cencon Database Setup Utility 4.1.5.2521		
KARA	Import Data From Cencon 1.5.X Data Files	5
Setup Phase	Do you need to import data from Cencon Version 1.5.X files?	
ODBC Connection	Data from the files will be loaded into the database.	
ODBC Database	OImport Cencon Version 1.5.X files	
ODBC Schema	Both import file paths are required.	
Select Operation	Location of Cencon Version 1.5.X files: (Required)	
Import Cencon 1.5.X Data	C:\152 cencon files	Browse
Import CenBank Data	C\152 cencon files\Backup	Browse
Assign Import Region	Colort the lease whether a files that you want to impact. It is seen manded that you impact all	the flee
Data Validation	V Locks File V Lisers File	une mes.
Database File Size	Locks Backup Data File I Lock Dispatch Log File I Activity Log File	
Confirmation	📝 Update Locks With Data From Lock Dispatch Log History (Long Operation)	
Perform Operations		
	<< Back Next >>>	Cancel

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







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



Cencon Database Setup Utility 4.1.5.2	521 _ 🗌 🗙
KARA	Select Database Authorizations Tables Update
Setup Phase ODBC Connection Select Operation Import Cencon 1.5.X Data Import CenBank Data Procedures / Constraints Procedures / Constraints Data Validation Database File Size Confirmation Perform Operations	Do you want any previous user roles for authorizations to be reset? If these authorizations do not exist, they will automatically be set up. Reset / Overwrite Existing Authorization Role Definitions Do you need to update the audit event type names in your database? This will check that the descriptive event type name is set correctly on each audit based on the type of event. Image: Type Names in the Audit Event table and the Activity Log Tables Note: For Update Database and the Maintain Database Operations, all instances of Cencon and Centran which are connected to the selected database must be closed.
	< Back Next >>> Cancel

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 >

Select Data Validation Processes

Setup Phase

Select Operation

ODBC Connection

Import Cencon 1.5.X Data

Import CenBank Data

Procedures / Constraints

Authorizations

Data Validation

Database File Size

Confirmation

Perform Operations



This will scan the locks in the Cencon database and correct any errors that are found. If you are importing data, it is recommended that you also check for errors in the database afterwards.



Validate and Do Corrections On Data For Open Locks (Long Operation)

Do you need to validate the user dispatch counts?

This will scan the users and correct how many locks each user is dispatched to. If you are importing data, it is recommended that you also check for errors in the database afterwards.



Validate and Do Corrections on Data For Dispatched Users (Long Operation)

Do you need to check the user authorization roles?

This will scan the users and correct each user authorization role if it is not set correctly. This validation is recommended if you are upgrading from a previous version of Cencon database..



Validate and Do Corrections On User Authorization Roles Do you need to check the Collections, Customer IDs and Regions?

This will correct any errors that are found. If you are importing data, it is recommended that you also check for errors in the database afterwards.



Note: For Update Database and the Maintain Database Operations, all instances of Cencon and Centran which are connected to the selected database must be closed.

```
<< Back
```

Next

Cancel

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.

Setup Phase OBSC Connection OBSC Schema Select Operation Import Censan L SA Data Assign Import Region Database File Size Confirmation Perform Operations	ncon Database Setup Utility 4.1.5.2521					
Setup Phase ODBC Connection ODBC Database ODBC Schema Select Operation Import Cencon 1.5 X Data Import CenBank Data Assign Import Region Database File Size Confirmation Perform Operations Verting Warning		Review and L	Jpdate Datab	ase File	Size	
ODBC Confinential If your database files are too small for the operations, it will allow the operations down while resizing the database with each operation. Increasing your database files ize first will improve performance. ODBC Database OBBC Schema Select Operation Increase Database File Sizes Import Cencon 1.5 X Data Database Name/Catalog Import CenBank Data Database Name/Catalog Assign Import Region Database File Size Database File Size O Confirmation Perform Operations Perform Operations Verting Cancel	Setup Phase	Do you need to resize your database files prior to doing database operations? If your database files are too small for the operations, it will slow the operations down while resizing the database with each operation. Increasing your database file size first will improve performance.				
ODBC Schema Select Operation Import Cencon 1.5 X Data Import CenBank Data Assign Import Region Data Validation Database File Size Confirmation Perform Operations <	ODBC Database					
Select Operation mport Cencon 1.5 X Data mport CenBank Data Assign Import Region Database File Size CenDATA_log 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	ODBC Schema	💿 Increase Database File Si	izes			
Import Cencon 1.5 X Data Import CenBank Data Assign Import Region Data Validation Database File Size Confirmation Perform Operations < Back (Next) Cancel	Select Operation	Database Name/Catalo	og File Size (MB)	Space Used (MB)	Free Space (MB)	New File Size
Import CenBank Data Assign Import Region Data Validation Database File Size Confirmation Perform Operations	mport Cencon 1.5.X Data	► CENDATA	2	1	0	2
Assign Import Region Data Validation Database File Size Confirmation Perform Operations << Back Next Cancel	mport CenBank Data	CENDATA_log	0	0	0	U
Data Validation Database File Size Confirmation Perform Operations	Assign Import Region					
Database File Size Confirmation Perform Operations <	Data Validation					
Confirmation Perform Operations <	Database File Size					
Perform Operations <	Confirmation					
<< Back Next >>> Cancel	Perform Operations					
<< Back Next >>> Cancel						
<< Back Next >>> Cancel						
< Back Next >>> Cancel						
Warning				<< Back	Next >>	Cancel
Warning						
Warning						
Warning						
Warning						
	Warning					

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.

KARA	Review Selections Before Processing Starts
Setup Phase ODBC Connection Select Operation	Operation Summary
Import Cencon 1.5.X Data	SQL Database Management System Settings
Import CenBank Data Procedures / Constraints Authorizations Data Validation Database File Size Confirmation	Data Data ODB Data
Perform Operations	Database Instance Name SQLEXPRESS Database Default Schema Name dbo Database Case Sensitive No Workstation Time and Zone 2012/02/17 15:01:43 : Eastern Standard Time Database Server Time and Zone 2012/02/17 15:01:43 : (U C -5 Hours) Workstation IP Address Local

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



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Cencon[®] 4.1.5 Getting Started Guide

Reporting on Database

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.

- 0 23 Cencon Database Setup Utility 4.1.5.2521 Select or Create an ODBC Connection Setup Phase Select or Create an Open Database Connectivity (ODBC) connection **ODBC Connection** Select or Create ODBC Data Source ODBC Database ODBC Schema х Select Data Source Select Operation File Data Source Machine Data Source Import Cencon 1.5.X Data Data Source Name Туре Description . Import CenBank Data System E Assign Import Region cencon4 master System dBASE Files User Procedures / Constraints Dynamics GP System engtestsrv24gb SQL System Authorizations Excel Files User ihiadon oraolo Custo ш Data Validation New... Database File Size Confirmation A Machine Data Source is specific to this machine, and cannot be shared. "User" data sources are specific to a user on this machine. "System" data Perform Operations sources can be used by all users on this machine, or by a system-wide service. 0K Cancel Help Cancel

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

Cencon Database Setup Utility 4.1.5.2521

Setup Phase	- Select or Create an Open Date	abase Connectivity (ODBC) connection
3C Connection	Select or Create ODBC Data Source	
ct Operation	Data Source Name:	Cencon 4
rt Cencon 1.5 X Data	User ID:	MHG\kholme
	Database Administrator:	Yes
ort CenBank Data	Database Management System Name:	Microsoft SQL Server
ign Import Region	Database Management System Version:	10.00.4064
aduraa (Canatrainta	Server Name:	SQLEXPRESS
icedures / Constraints	Database Name:	CENCON4
norizations	Instance Name:	SQLEXPRESS
Data Validation	Default Schema Name:	dbo
a valiuation	Case Sensitive:	No
abase File Size	Workstation Time and Zone:	2012/02/16 14:50:45 : Eastern Standard Time
nfirmation	DB Server Time and Zone:	2012/02/16 14:50:45 : (UTC -5 Hours)
Innihiadon	Workstation IP Address:	Local
rform Operations	Database Server IP Address:	Local
	Database Setup Version:	2521
	Database Setup Utility Version:	2521

Next >>

Cancel

- O -X

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 >

Cencon Database Setup Utility 4.1.5.2521		
KARA	Select Database Operation	
Setup Phase ODBC Connection Select Operation Confirmation Perform Operations	 Select one of the following operations: Create Cencon database. Update the existing Cencon database. Do maintenance of an existing Cencon database. (Does not create missing database tak Report on an existing Cencon database without making changes. 	wes.)
	<< Back Next >>>	Cancel
5. Click Next > This is a summary of i	nformation and processes to be performed by the utility.	

KARA	Review Selections Befo	ore Processing Starts			
Setup Phase	Oneratio				
ODBC Connection	Operation Summary				
Select Operation					
Confirmation	SQL Database Mana	SQL Database Management System Settings			
Perform Operations	Data Source Name	Cencon 4			
	ODBC DSN User ID	MHG\kholme			
	Database Administrator	Yes			
	Database Management System Name	Microsoft SQL Server			
	Database Management System Version	10.00.4064			
	Database Server Name	SQLEXPRESS			
	Database Name	CENCON4			
	Database Instance Name	SQLEXPRESS			
	Database Default Schema Name	dbo			
	Database Case Sensitive	No			
	Workstation Time and Zone	2012/02/17 15:01:43 : Eastern Standard Time			
	Database Server Time and Zone	2012/02/17 15:01:43 : (UTC -5 Hours)			
	Workstation IP Address	Local			
		< Back Next >>> Cancel			

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X

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

KVKV Perform Selected Database Operations 😡 🗅 🗅 🏉 Setup Phase X Save As 1.4.10 ODBC Connection 📃 Desktop 🕨 - 4y Search Desktop Q Select Operation - 18 ? New folder Organize 🔻 Confirmation . 🚞 Libraries 😭 Favorites Perform Operations [Kane Holmes 🗼 Downloads E 🔊 Computer 📃 Desktop 📬 Network 📃 Recent Places 00 🚺 LAGARD 3802 Documentation 📄 Libraries 🔊 Work 💻 Computer 🏭 Local Disk (C:) File name. • Save as type: HTML files (*.htm) • Cancel Save Hide Folders Close

- O X

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Cencon[®] 4.1.5 Getting Started Guide

Start the Cencon[®] 4.1.5 Program

To start the Cencon^{\mathbb{R}} 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:

🖬 Cencon 🔸	🗑 Cencon 4
	📄 Cencon 4 Getting Started Guide
	Cencon 4 Reference Manual





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.





Cencon Key Box Settings	
Cencon PCIO Security Device Cencon PCIO Security Device Status: Refresh Device Status Cencon USB Key Box is connected. The Cencon USB Key Box install security information has been setup.	
Read Key Box Install Key	
The Company ID has been Initialzed. Company ID: Set Company ID	
OK Cancel	

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:

	Read Cencon USB Key Box Install Key	
	Cencon USB Key Box install key read successfully. Important: Remove the orange key from the key box and store it in a secure location for use in future installs. Keep the tag on the key. You should not need to reread this install key on this PC. Each time the key is read, you reduce the remaining number of installs for your key box.	
	ОК	
Important N	Note:	
Remove the Ke	Key Box Install Key and store it in a safe place. You must have this key and the information o	n 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.

atabase ODBC Information	
Data Source Name:	Cencon 4
User ID:	MHG\kholme
Database Administrator:	Yes
Database Management System Name:	Microsoft SQL Server
Database Management System Version:	10.00.4064
Server Name:	KHOLMESW7LT\SQLEXPRESS
Database Name:	CENCON4
Instance Name:	SQLEXPRESS
Schema Name:	CENCONUSER
Case Sensitive:	No
WorkstationTime and Zone:	2012/02/16 12:52:39 : Eastern Standard Time
Database Server Time and Zone:	2012/02/16 12:52:39 : (UTC-5 Hours)
Workstation IP Address:	<local machine=""></local>
Database Server IP Address:	Unable to determine the IP address.
Beduce database checks at Cencon loor	an a
This action is not recommended. T	This allows you to skip a major portion of the database validation

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:

elect an Open Database Connec	tivity (ODBC) connection for the data source.
Select ODBC Data Source	
Database ODBC Information	
Data Source Name:	Cencon 4
User ID:	MHG\kholme
Database Administrator:	Yes
Database Management System Name:	Microsoft SQL Server
Database Management System Version:	10.00.4064
Server Name:	KHOLMESW7LT\SQLEXPRESS
Database Name:	CENCON4
Instance Name:	SQLEXPRESS
Schema Name:	CENCONUSER
Case Sensitive:	No
WorkstationTime and Zone:	2012/02/16 12:52:39 : Eastern Standard Time
Database Server Time and Zone:	2012/02/16 12:52:39 : (UTC-5 Hours)
Workstation IP Address:	<local machine=""></local>
Database Server IP Address:	Unable to determine the IP address.
	OK Concol

Select ODBC Data Source	
Database ODBC Information	
Data Source Name:	Cencon 4
User ID:	MHG\kholme
Database Administrator:	Yes
Database Management System Name:	Microsoft SQL Server
Database Management System Version:	10.00.4064
Server Name:	KHOLMESW7LT\SQLEXPRESS
Database Name:	CENCON4
Instance Name:	SQLEXPRESS
Schema Name:	CENCONUSER
Case Sensitive:	No
WorkstationTime and Zone:	2012/02/16 12:52:39 : Eastern Standard Time
Database Server Time and Zone:	2012/02/16 12:52:39 : (UTC-5 Hours)
Workstation IP Address:	<local machine=""></local>
Database Server IP Address:	Unable to determine the IP address.
Reduce database checks at Cencon logo	n
This option is not recommended. T checks conducted by Cencon. If y Cencon database which will result i	his allows you to skip a major portion of the database validation you use this option, you may inadvertently log onto a malformed n Cencon having critical errors.

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:

ſ	Cencon 4.1.5.27	50				
1	System		\sim	1	2	
	1st 🕀	\bigcirc			S.	
	Create First Logon For New Cencon Database Setup	Help/Reference Manual	Kaba Mas Technical Support			
	Cencon Key Box Settings	Database Connection Settings				
	Version 4.1.5.2750				.:	

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:

Introduction	Setup Region	Setup First User	Password	Create Cencon Logon		
	octup Hogion		1 0000010			
		Welcome to Co Copyright ©	encon Softw 1996-2009 k	are version 4.1.0.2230 Gaba Mas LLC		
The Cer requiren Software	con software is nent of logon au a.	secured by a var thentication to det	iety of meas ermine the a	ures. One of these sec authority of the person u	curity measures is the Ising the Cencon	
The first This log Supervis	time Cencon is on will be set up sor.	run on a databas o as the highest au	e, you will n uthority leve	eed to set up the first us I for use with Cencon, o	ser logon to Cencon. called Special	
The Cer authentio your cur	con software su cation is by use rent Windows lo	upports two types of an encrypted S ogon. The SmartK	of logon aut SmartKey an ey user is re	hentication. The first, a d password. The seco aquired; the Windows us	and default, method of nd method is to use ser is optional.	
		<	Back	Next >	Cancel	

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.

Introduction	Setup Region	Setup First User	Password	Create Cencon Logo	n	
The Cen locks a l you to ci later. No There ar restricte to a glob	con Region Cor ock user can be eate and assign te that this does e two types of r d to working wit al region can w	trol feature contro dispatched. Althout a region to the in not automatically egions, local and h locks and lock to prok with any lock	ols what data bugh the use itial logon u ractivate Re global. Logo users assign or lock user	a a user is permitted t of this feature is opti ser in case you decid gion Control. on users assigned to ted to that same regio	o access and to which onal, this screen allows e to activate this feature a local region are n. Logon users assigne	ed
lf your d	atabase already	contains defined	regions, sel	ect one from the follo	wing list and press Next	t.
Otherwis	se, press Next t	o accept the defau	It region nar	me or enter a name ar	nd press Next.	
	Initial Glo	obal Region ID				
	Global					
					- -	
			Back	Next >	Cancel	

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

You will r not be the long.	eed to select a unique user same as any other existing	name for your electronic key logon t g user name set up on Cencon. It car	to Cencon. This name can in be up to 64 characters
	User Name (Required)	:	
	User Nickname (Option	nal):	
	Full Name (Optional)		
	First:		
	Middle:		
	Last:		

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.

Introduction	Setup Region	Setup First User	Password	Create Cencon	Logon		
You wil passwo contain	I need to select rd is used with only the follow	a password for y your key to log or ng characters or	our electroni nto Cencon. numbers:	c SmartKey key It can be up to 6	logon to Cencon. 4 characters long,	This and can	
	a	ocdefghijklmnopq UVWXYZ1234	rstuvwxyzAE 567890`~!@;	3CDEFGHIJKLM #\$%^ <u>*(</u>)-+_=[]{}1:	NOPQRST		
	Pase	word:					
	Con	irm Password:					
			Back	Next >	Cancel		

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

Int	raduction	Cotup Docion	Cotup First Lloor	Program	Create Cencon Lo	aon		
II IL	roduction	Setup Region	Setup Hist User	Fassword	Cicdle Concorr Ec			
	You are least or into the	now ready to in e Special Supe key reader and	nitialize an electr rvisor user be as click the 'Create	onic SmartKe sociated with Logon Key't	y for logging onto a key. Please pla outton below.	Cencon. Cencor ace a black logo	n requires at n SmartKey	
	You als users. Window	o have the optio This allows you 's users, open t	on of adding Micro u to log onto Ceno he User report ar	osoft Window con based on id select Ope	s logons to the Ce your Windows aut rations->Add a Wi	ncon database a hentication. To nndows Logon เ	es logon create Jser.	
			Create Ceno	con Special S	jupervisor Logon k	iey		
				< Back	Next >	Cancel		

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.

Create First	t Cencon Logon
1	The new Special Supervisor logon key was added to the database successfully.
	ОК

- 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.

Enable Regions To Restrict Lock D	ispatches And Data Viewed	OK Cancel
		Help
User Nickname Expiration (Days):		
Lock User Defined Field Name 1:		
Lock User Defined Field Name 2:		
Lock User Defined Field Name 3:		
Lock User Defined Field Name 4:		
Lock Description Field Name 1:	Description 1	
Lock Description Field Name 2:	Description 2	
Lock Description Field Name 3:	Description 3	
Lock Description Field Name 4:	Description 4	

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.

- f 1	Paula Fila Disastera
etault	Browse
Маррі	ng Application
	Microsoft MapPoint
	MapQuest (Single location, Internet connection required)
	 Google Maps (Single location, Internet connection required)
	Bing Maps (Single location, Internet connection required)
	None

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Logon to the Cencon[®] 4.1.5 System

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

System		2	KARA	C	
Logon To Cencon With Key	Logon To Cencon With Windows	Help/Reference Manual	Kaba Mas Technical Support		
Setup					
Cencon Key Box Settings	Database Connection Settings		5		
Version 4.1.5.2750 ((BETA)				
 ser to logon using	either an authorized	I Special Superv	isor, Supervisor, or E	Dispatcher key.	

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

Cencon 4 User Logon	×
Hello John P. Smith	ОК
Please enter the password for this special supervisor key:	Cancel
Password:	

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

R

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).

Cencon[®] 4.1.5 Getting Started Guide

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 \rightarrow 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.



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

Note

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:





				x
00	🔍 🖓 🕨 Control Panel 🕨 All Contr	rol Panel Items 🕨	✓ ✓ Search Control Panel	٩
Adju	ust your computer's settings		View by: Large icons 🔻	
0	Mouse	Senter	Notification Area Icons	*
<u>@</u>	NVIDIA Control Panel	MVIDIA nView Deskto Manager	pp 🛛 🐼 NVIDIA nView Desktop Manager	
1.00	Performance Information and Tools	Yersonalization	Phone and Modem	
	Power Options	Program Updates (32	e-bit) 🛛 🕅 Programs and Features	
×.	Recovery	Region and Language	e RemoteApp and Desktop Connections	
	Sound	Speech Recognition	Sync Center	
	System	Taskbar and Start Me	nu 💽 Troubleshooting	E
87	User Accounts	Windows CardSpace	Windows Defender	
	Windows Firewall	Windows Update		

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

	To uninstall a program select it from the list and then click Uninstall.	Change, or Repair.
😗 Turn Windows features on or		
	Organize 🔻 Uninstall Change Repair	== 🔻 🔞
Install a program from the	Name	Publisher
inclution k	APPower (v3.6.5.5)	
	Auditcon	Kaba Mas
	Blender (remove only)	
	Cenbank for Windows	
	Cencon 4	Kaba Mas
	Centran	Kaba Mas LLC
	Centran Centran	Kaba Mas LLC
	a CGSETUP	
	Crystal Reports Basic for Visual Studio 2008	Business Objects
	Crystal Reports Basic Runtime for Visual Studio 2008 (x64)	Business Objects
	Debug Diagnostics Tool 1.1 (x86)	Microsoft Corporatio
	Debugging Tools for Windows (x64)	Microsoft Corporatio
	DemoShield 7.01	InstallShield

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:



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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

🐻 Cencon 4.1.5.2814	(BETA) expired 4/1	0/2013. Cencon ex	ecution halted. Contac	ct Kaba Mas Technical Support	t. 👝 🗆 🗙
System				6	
		\bigcirc	KARA		
Logon To Cencon With Key	Logon To Cencon With Windows	Help/Reference Manual	Kaba Mas Technical Support		
Setup					
Cencon PCIO Card Da and Key Box Settings	atabase Connection Settings				
Version 4.1.5.2814 (BE	TA)				.::

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

X	BETA has expired.
4 (BETA) expired 4/10/2013. Cencon execution halted. as Technical Support.	Cencon 4.1.5.2814 (BETA) Contact Kaba Mas Techn
ОК	
OK	

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.

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