Construction Manager 50 SQL Installation Guide

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Construction Manager 50 MySQL Installation Instructions

Introduction

The installation of the Construction Manager 50 MySQL consists of two stages – the server installation and the client installation. There are two installation CDs corresponding to these two stages, and they are labeled appropriately.

A single computer must be chosen to become the MySQL database server. There may already be one or more computers acting as servers on the network, and these will all be likely candidates. Consult the network administrator in this matter.

Installation checklist

Before installing:

Make sure you are logging in to each machine using an account with Administrator privileges for both the local machine you are on, and also for the domain if you have one. If you are unsure about this, please ask your network administrator or IT specialist.

On Server:

1. Install MySQL
2. Install Construction Manager
3. Install MyODBC
4. Unlock the Database
5. Create a new company database.

On each client:

1. Install Construction Manager
2. Install MyODBC
3. Connect to MySQL server
4. Connect to Sage Line 50.

User Access Rights.

Note that if users on the client machines do not have administrator rights they will need to be "power users", have read/write access rights to the C: drive (C:\Program Files\CISManager) and will also need read/write access rights to the local registry setting or allow the program access rights to this. If you are unsure about this please check with your system administrator.

Server Installation

Insert the installation disk labeled 'Construction Manager 50 MySQL Server Install'. Follow the on screen instructions.

MySQL will be installed as a service. It is important to make sure that port 3306 remains open to all of the client machines on the network (if a firewall is active on the server, make appropriate modifications to ensure this is the case). To check that MySQL is running, go to Start > Settings > Control Panel > Administrative Tools > Services. MySQLCIS will show up in the list of Services in the main view panel, and its status should show as 'started'.

Note down the **name of the server** – its network identification – you will need this later when configuring the clients. It can be found in the 'System' control panel.

Server Name (E.g. Ntserver)
Note this is character sensitive. Ignore **.**extensions e.g. for Ntserver**.**JNCSolutions use Ntserver

Also note down the path to your Sage Data directory, as this will be needed later as well. Your network administrator will have these details if you do not.

Server Name …….

Sage Data Directory …….

You will then need to install Construction Manager 50 on the server, and install the MyODBC connector.

This can be found on the Construction Manager 50 CD in a folder called
mysql-connector-odbc-3.51.12

If the MyODBC connector is already installed check it is the correct version.

To check that the MyODBC connector is installed, go to Start > Settings > Control Panel > Administrative Tools > Data Sources (ODBC) > Drivers, and scroll down to view the MySQL ODBC 3.51 Driver.

Once both are installed you will need to **reboot your server.**

1. Start Construction Manager
2. You will be asked for an initialization code. Contact the support line to obtain this. You will also need to ask for a MySQL unlock code.
3. The Unlock code will comprise a Name and a Code. It is important that you keep a record of this. E.g. The name given will be the Company Name or an abbreviation of it. Please record this below for your records and keep this document.

   Unlock Name …….
   Unlock Code …….

This name and code is for activation purposes and does not affect the database name or company name later on.

There are various names and passwords required to configure the MySQL database. We have devised a simple procedure for these so that there is the minimum of confusion. We strongly recommend you follow the naming convention and record the names and password on this document for future reference.

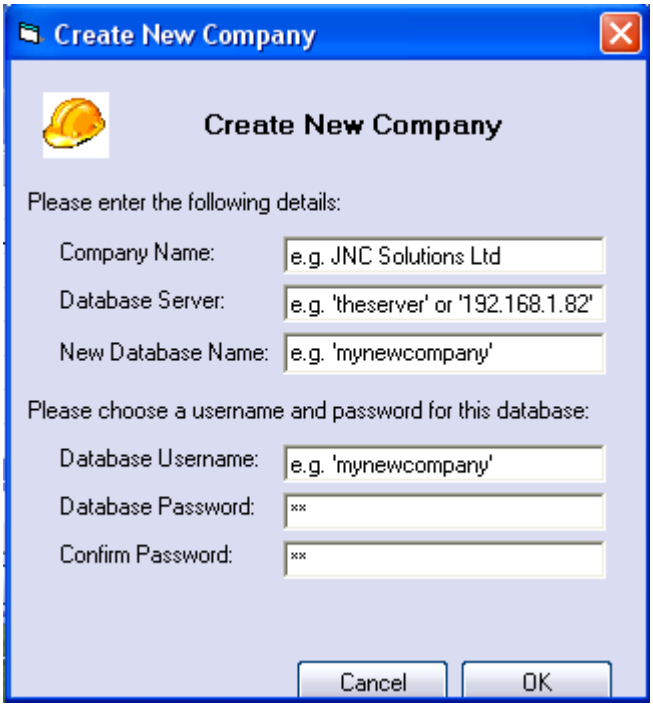
If an error occurs, it is likely that the MyODBC connector has not been installed – close Construction Manager 50 and install the connector as detailed in 'Appendix B – Obtaining and installing the MyODBC connector'.

4. Choose Settings - > Defaults and go to the 'General' Tab. Click the checkbox labeled 'Use MySQL' if a tick is not present in the box. You will be asked for an unlock code. Enter the Name and Code obtained above.

5. Construction Manager 50 will then close automatically to update its settings, so you will need to restart it. A popup headed 'No MySQL Connections Found' should appear.

6. As there is no data yet, the 'No CIS Data Found' label will become active, as will the 'Secure Database' button. Click the 'Secure Database' button.

7. Click on the 'New Company' button and fill out the fields as described below



To create a new company

Company Name - Enter the Company Name (This will appear in Company Preferences and is not part of the database set up or security)

Database Server – Enter the server name (without extensions) e.g. Ntserver. Alternatively you can use the IP address of the server.

New Database Name – This is the name of the database with a maximum of 14 Characters. The should be a simple name of your company e.g. JNCSOLUTIONS

Database User Name – Use the same as above
Database Password – PW

Record the following

Database Name ……
Database User Name ……
Database Password ……

If you have multi company option then you will need to record these for each company.

The SQL database is now configured on the server. You will need to set up passwords in Sage for Construction Manager and the path name. See standard set up procedures for this.

We suggest for the server installation the following password is set up in Sage.L50
Name CISServer
Password PW

9. Configure Sage paths and logins as per general set up instructions. Verify that the program operates as normal.

Existing Access-based Installation Procedure

Introduction

The original Access-based data will have to be imported into the MySQL database on the server. This is best done on the server but can be done from a client machine with Administrative Rights.

Procedure

Install MySQL server and Construction Manager on the server as above but do not create a new database yet.

1. Ensure that the latest version of Construction Manager is installed on all of the client machines.

2. Ensure that all work using Construction Manager 50 is halted, and that no other users are running the software – no one must continue to use the program while the installation and import of data is performed – **data loss and or corruption may result if this step is not followed.**

3. Start Construction Manager 50.

Obtain a Construction Manager 50 MySQL unlock code. Customers should call the support line for this.

Record this:

Unlock Name…….
Unlock Code …….

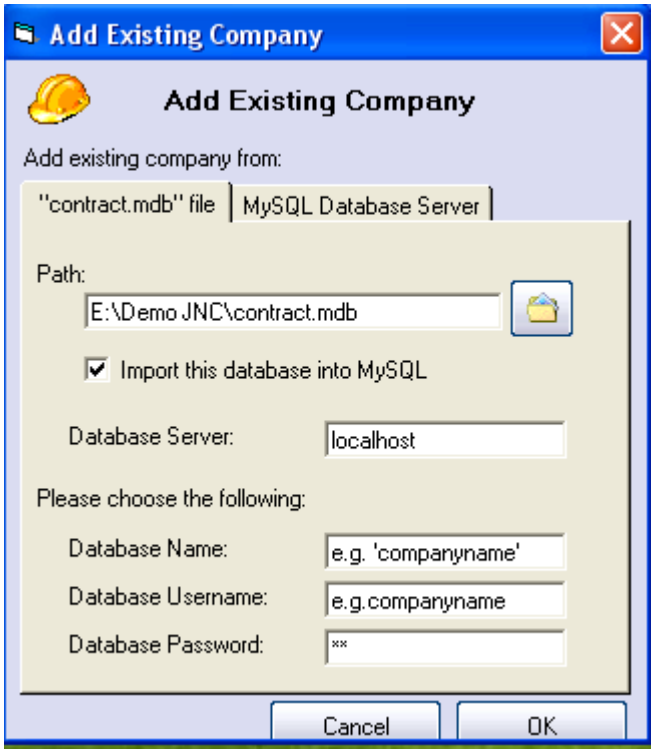
4. Choose Settings - > Defaults and go to the 'General' Tab. Click the checkbox labeled 'Use MySQL' if a tick is not present in the box. You will be asked for an unlock code. Enter the code obtained during step 4, above.

5. Close Construction Manager 50, and reload it. A popup headed 'No MySQL Connections Found' should appear. Type in the name of the server or type localhost (as you are on the server)

If an error occurs, it is likely that the MyODBC connector has not been installed – close Construction Manager 50 and install the connector as detailed in 'Appendix B – Obtaining and installing the MyODBC connector'.

6. As there is no data yet on the server, the 'No CIS Data Found' label will become active, as will the 'Secure Database' button. Click the 'Secure Database' button.

Click the 'Import .mdb' button and choose the Access database that contains the existing data. Enter the fields displayed as suggested below.



Database Server – Enter the server name (without extensions) e.g. NTserver. Alternatively you can use the IP address of the server, or localhost if on the server.

New Database Name – This is the name of the database with a maximum of 14 Characters. This should be a simple name of your company e.g. JNCSOLUTIONS

Database User Name – Use the same as above
Database Password – Use PW

Record the following

Database Name ..……..
Database User Name ……
Database Password……

If you have multi company option then you will need to record these for each company.

6. Click 'OK' to continue into the program. Data import is now complete; you may have to reconfigure Sage paths and other settings and such. Verify that the program operates as normal. On startup in the multi-company version of the program you will be given the option of using either the MySQL version or the Access version. **DO NOT CONTINUE TO USE THE ACCESS VERSION.** It is **strongly** recommended that access to the original Access data is prevented by renaming the folder on the server where it was stored. This will prevent accidental use of the old data.

Client Installation

The client installation procedure must be performed for every machine on the network on which Construction Manager 50 MySQL is to be used.

There are different procedures for dealing with **new** installs (where no previous Access-based installation of Construction Manager 50 exists) and for existing installations.

New Install Procedure

Introduction

This is the procedure for installing Construction Manager 50 MySQL where no previous installation of the software was present.

Procedure

1. Insert the Construction Manager 50 Installation Disk. Follow the on screen instructions,

2. Install the MyODBC Connector from the CD by Browsing to the MyODBC Connector folder on the disc.

3. Start Construction Manager

   You will be asked for an initialization code. Contact the support line to obtain this.

4. Choose Settings - > Defaults and go to the 'General' Tab. Click the checkbox labeled 'Use MySQL' if a tick is not present in the box. You will be asked for an unlock code. Enter the unlock name and code obtained above.

5.Construction Manager 50 will then close automatically to update its settings, so you will need to restart it. A popup headed 'No MySQL Connections Found' should appear. Type the name of the server (as obtained during the server installation procedure) in the box labeled 'Server', and press the 'Test Connection' button.

6.If an error occurs, it is likely that the MyODBC connector has not been installed – close Construction Manager 50 and install the connector as detailed in 'Appendix B – Obtaining and installing the MyODBC connector'.

7. As data now exists on the server, the 'CIS Data Located' label will become active. Select the database name of the recently created database from the drop down and enter the username and password that were chosen above.

8. Click OK to continue into the program.

Existing Access Client Set Up.

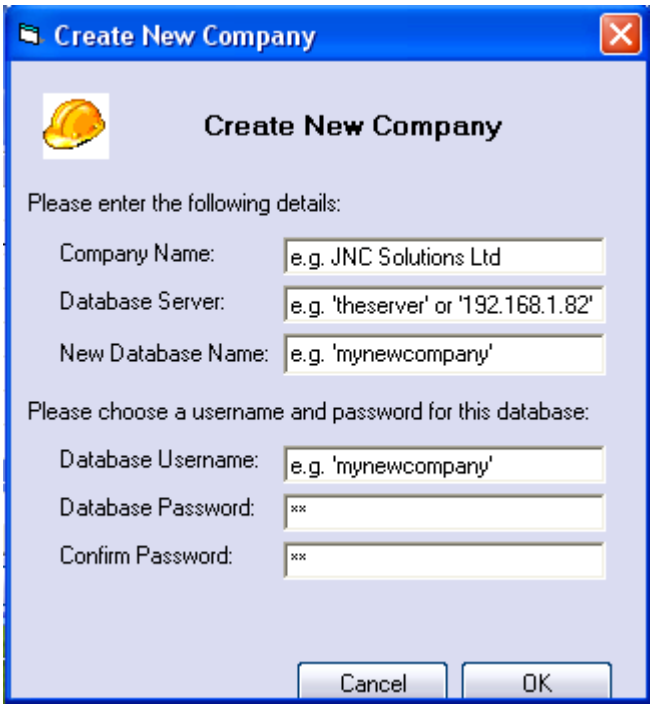
Make sure that all client PCs are operating the same version of Construction Manager.

1. Choose Settings - > Defaults and go to the 'General' Tab. Click the checkbox labeled 'Use MySQL' if a tick is not present in the box. You will be asked for an unlock code. Enter the unlock name and code obtained above.

2. Construction Manager 50 will then close automatically to update its settings, so you will need to restart it. A popup headed 'No MySQL Connections Found' should appear. Type the name of the server (as obtained during the server installation procedure) in the box labeled 'Server' and press the 'Test Connection' button.

3.If an error occurs, it is likely that the MyODBC connector has not been installed – close Construction Manager 50 and install the connector as detailed in 'Appendix B – Obtaining and installing the MyODBC connector'.

4. As data now exists on the server, the 'CIS Data Located' label will become active. Select the database name of the recently created database from the drop down and enter the username and password that were chosen above.



5. Click OK to continue into the program.

Appendix A – Path and User Name descriptions

Company name – this should be an easy to remember and type version of your company name e.g. “jncuk”.
DB Server – the name or IP address of the server where MySQL is installed.
DB Name – This should be a meaningful but simple name for your database e.g. “jncukcm”.

The following are only used on a fresh install where an Access database is not already present. They can be overridden by the default CIS user.

DB Username – again use an easy to remember name such as your company name above.
DB Password – password for the program to access the data. Should be recorded and simple and easy to remember e.g. PW or same as DB Username.

If you forget this password you will not be able to connect client PCs to the data. All names & passwords should be no more than 14 characters long.

Appendix B – Obtaining and installing the MyODBC connector

1. There should be a file on the Construction Manager 50 installation CD with a name of the form 'MyODBC-3.51.11-2-win.exe'. If there isn't, the appropriate file can be obtained from the MySQL website at http://www.mysql.com under the 'connectors' link from the front page.

2. Double click on the file, and follow the on screen instructions.

Opening port 3306 for MySQL

On the MySQL server machine, if 'Windows Firewall' is turned on it will by default block the port that Construction Manager tries to connect to.

To remedy this, on the MySQL server machine:

1. Start -> Control Panel -> Windows Firewall
2. The screen that loads should say that Windows firewall is on.
3. The second tab is called 'Exceptions'. Click on this.
4. In the 'port' box type '3306'.
5. In the 'name' box type anything, but 'MySQL' would be sensible.
6. Click 'OK'.