



## *Administration*

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Date	: 12th November 2021
Chromis Version	: 1.4.0

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# Chromis Administration

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## Document Version History

Version No.	Date	Author(s)	Comments
1.00	23/06/2021	John Lewis	Initial release
1.3	23/09/2021	John Lewis	Updated to reflect change in application
1.4.0	12/11/2021	John Lewis	Gold Release

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## Chromis Migration Utility

This utility has been created to assist with the copying of data from into the version 1 from a previous version.

It copies the all data required to start using the latest version, it should be noted that even after the migration there will still be manual work to be completed.

It is important that you make a backup of your source database, as the utility may make changes to the data.

To use this application, ensure that you are starting from a fresh install of version 1, copy this utility into the new Chromis folder.

Start the application

Chromis Database Migration - v1.00

File

**Current Database**

Database Engine : MySQL

Driver Library : C:\Program Files (x86)\ChromisPos\lib\mysql-connector-java-8.0.23.jar

Driver Class : com.mysql.cj.jdbc.Driver

URL : jdbc:mysql://localhost:3306/kidsgrove?zeroDateTimeBehavior=CONVERT\_TO\_NULL&

Database Version : 0.56.2

**New Database**

Driver Library : lib\mysql-connector-java-8.0.22.jar

Driver Class : com.mysql.cj.jdbc.Driver

Server : localhost

Port : 3306

Database Name : chromispos

Username : eposuser

Password : .....

Test Connection

Clone Data

**Database Statistics**

Users :	4	Locations :	3	Floors :	13	Categories :	18
Products :	8313	Customers :	2	Attributes :	13	Sequences :	5
Taxes :	6	Third Parties :	0	Shifts/Break :	5	Recipes :	0
Miscellaneous :	8749						

Checking Products table for duplicate names.....

Checking Products table for duplicate references .....

Checking Products table for duplicate codes .....

Field	Product	Count
No content in table		

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The application looks for the original Chromis properties file usually inside the user folder, and reads this information in.

The top panel shows this configuration and cannot be edited.

**Current Database**

Database Engine : MySQL

Driver Library : C:\Program Files (x86)\ChromisPos\lib\mysql-connector-java-8.0.23.jar

Driver Class : com.mysql.cj.jdbc.Driver

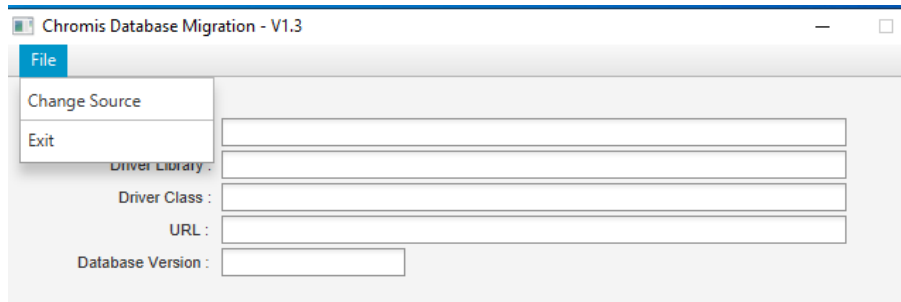
URL : jdbc:mysql://localhost:3306/kidsgrove?zeroDateTimeBehavior=CONVERT\_TO\_NULL&

Database Version : 0.56.2

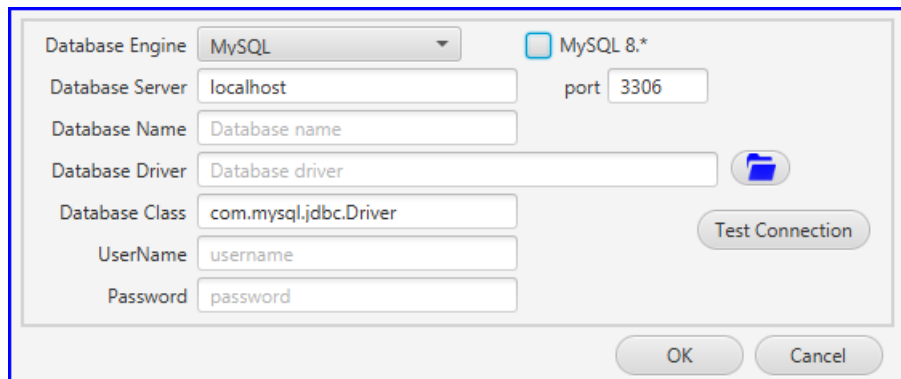
If the application cannot locate the original properties file the source entry will be blank.

The application can be connected to a different source database

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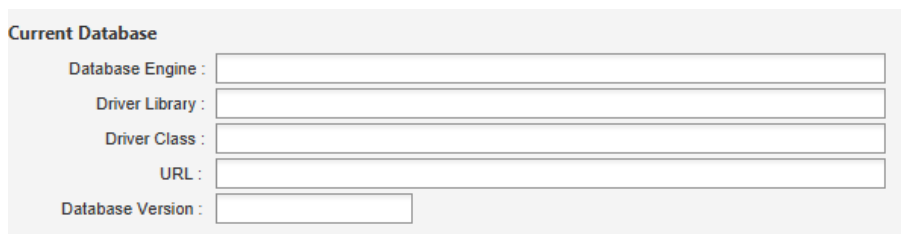


From the file menu select 'Change Source'

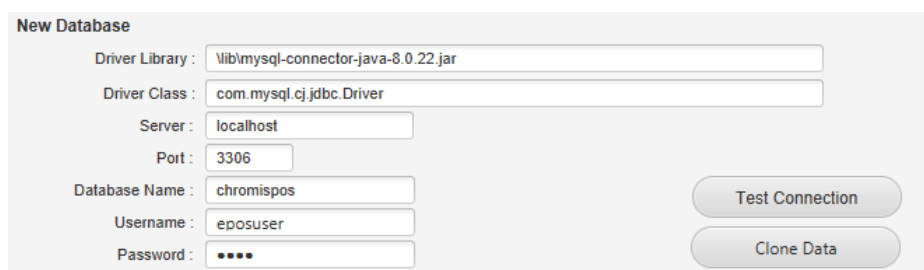


Complete the form. When OK is selected the connection is tested before passing the detail back to the main application. If the test failed then a blank entry is passed back.

In the event that the source is MySQL 8, enable the checkbox, this changes the database class to use.



The next panel shows the target database details.



The final panel shows some statistics for the source database, these reflect the data that will be copied.

**Database Statistics**

Users :	4	Locations :	3	Floors :	13	Categories :	18
Products :	8313	Customers :	2	Attributes :	13	Sequences :	5
Taxes :	6	Third Parties :	0	Shifts\Break :	5	Recipes :	0
Miscellaneous :	8749						

Checking Products table for duplicate names.....  
Checking Products table for duplicate references .....  
Checking Products table for duplicate codes .....

Field	Product	Count
No content in table		

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The utility does NOT copy any previous transactional data over, the structure of these tables has changed considerably, further details on other data is covered later.

The utility completes some very basic checks, that can occur if the foreign keys in the source have become corrupted.

It checks for duplicate product names, references and codes, if any are found details are displayed in the table below. The utility provides a basic fixer for any duplicate name, but reference have to fixed manually. It adds a numeric index after the name starting with 1.

If any duplicates are found the 'Clone data' option is disabled until these are resolved.

During the migration process, Chromis checks for the conflicts of default names, if there is a conflict the source loses and a prefix is added to the name of conflicting element 'Original', this leaves all of the new default options in place.

**New Database**

Driver Library : \lib\mysql-connector-java-8.0.23.jar  
Driver Class : com.mysql.cj.jdbc.Driver  
Server : localhost  
Port : 3306  
Database Name : chromispro  
Username : eposuser  
Password : \*\*\*\*

Processing

Test Connection  
Clone Data

**Database Statistics**

Users :	✓	Locations :	✓	Floors :	✓	Categories :	✓
Products :	6006	Customers :	✓	Attributes :	✓	Sequences :	5
Taxes :	✓	Third Parties :	✓	Shifts\Break :	✓	Recipes :	0
Miscellaneous :	8749						

As the cloning is progressing the data items are update to reflect the status.

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Should any fail, this is reflected, at this point further work is required to resolve the issue the utility is unable to resolve these issues.

Database Statistics			
Users :	<input checked="" type="checkbox"/>	Locations :	<input checked="" type="checkbox"/>
Products :	<input checked="" type="checkbox"/>	Floors :	<input checked="" type="checkbox"/>
Taxes :	<input checked="" type="checkbox"/>	Categories :	<input checked="" type="checkbox"/>
Miscellaneous :	<input checked="" type="checkbox"/>	Customers :	<input checked="" type="checkbox"/>
		Attributes :	<input checked="" type="checkbox"/>
		Sequences :	<input checked="" type="checkbox"/>
		Shifts\Break :	<input checked="" type="checkbox"/>
		Recipes :	<input checked="" type="checkbox"/>

The next stages are the manual processes that must be completed.

Now you can open the Chromis Administration application, to check that things have progressed as expected.

The following is a list of data not copied.

- Receipts
- Ticket transactional data
- Previous Tax transactional data
- Stock diary movement
- Resources
- Custom dbpermissions
- Closed cash records
- User permissions



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The first thing that should be checked are the users.

Role Name	Permission Level
Administrator role	9
Cashier role	5
Employee role	3
Manager role	5
Original Administrator Role	5
Original Manager Role	5

The above image shows an example of renaming process, these accounts are still associated with the original users, but have no permissions

Administrator		Administrator role	✓	
Employee		Employee role	✓	
Manager		Manager role	✓	
Original Administrator		Original Administrator Role	✓	
Original Employee		Cashier role	✓	
Original Manager		Original Manager Role	✓	
Tom		Original Manager Role	✓	

The recommended approach for this would be the following.

- Apply permissions to the renamed accounts.
- Log out and log back in with the renamed administrator account.
- Remove the new accounts if required
- Rename the original accounts. (These changes will be reflected in the user as the underlying references have not changed)

All of the elements should be checked in Administration and resolved as required.

Once this has been completed, the database should be backed up prior to testing in the POS client, this will enable the database to be restored without having to complete the cloning process again.