

CERVELLE
Point of Sale Software



The Complete Guide
Database Doctor v1.1.0
Ultimate Merchant Magic® Paradox Updater

Lucas Rodrigues

Alexander Nikoloff



Update Checklist

- ☐ Download Database Doctor v1.1.0
- ☐ Unzip folder in your computer

DO NOT USE MERCHANT MAGIC WHILE UPDATING

- ☐ Compress client's DB
- ☐ Rename to DB YYYY-MM-DD PreUpdate
- ☐ Transfer DB to your computer through SimpleHelp
- ☐ Place DB in your Merchant Magic DB folder
- ☐ Verify Alias in BDE (bdeadmin.exe)
- ☐ Verify Alias in Registry Editor
- ☐ Run IndexFixer to check for corruption
- ☐ Run HelixDoctor.exe
 - ☐ COMPLETE Database Update
 - ☐ SELECTED Database Update
- ☐ Compress updated DB
- ☐ Rename to DB YYYY-MM-DD PostUpdate
- ☐ Transfer DB to client's computer through SimpleHelp
- ☐ Place DB in their Merchant Magic DB folder

UPDATE IS DONE!



Table of Contents

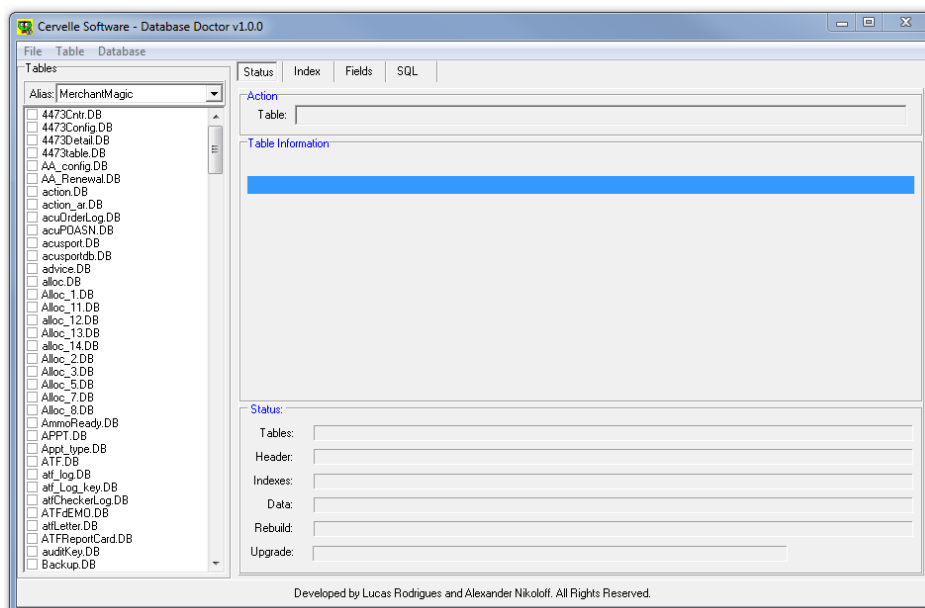
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Introduction

This document is intended to be used by Merchant Magic software administrators, developers, and others experienced in working with the database update process. This document provides information on how to use Database Doctor to perform Merchant Magic updates for clients utilizing older versions of the software.

Database Doctor






Database Doctor v1.1.0 is an easy-to-use and lightweight generic software, which helps you update clients to the latest version of Merchant Magic. By using a generic and clean database, the software not only rebuilds all the indexes but also makes any pertaining field changes to match the updated paradox tables, including setting the default values.








Directory Organization


The Database Doctor v1.1.0 directory should have the following: DoctorDB, IndexFixer, MasterDB, HelixDoctor, TUTIL32.DLL, and this document. Please, DO NOT modify the directory organization, or the update will fail.

 DoctorDB	2/11/2022 4:30 PM	File folder	
 IndexFixer	2/3/2022 3:32 PM	File folder	
 MasterDB	2/11/2022 4:24 PM	File folder	
 HelixDoctor	2/4/2022 12:55 PM	Application	1,243 KB
 TUTIL32.DLL	1/31/2022 3:42 PM	Application extens...	240 KB

-  The DoctorDB folder contains the update log generated by HelixDoctor.exe
-  The IndexFixer folder contains the tools needed to check and repair index corruption.
-  The MasterDB folder contains a copy of the clean database. Please ensure you are using the very latest available clean database as table changes can occur often, and updates to the clean database are NOT automatic.

How to Update

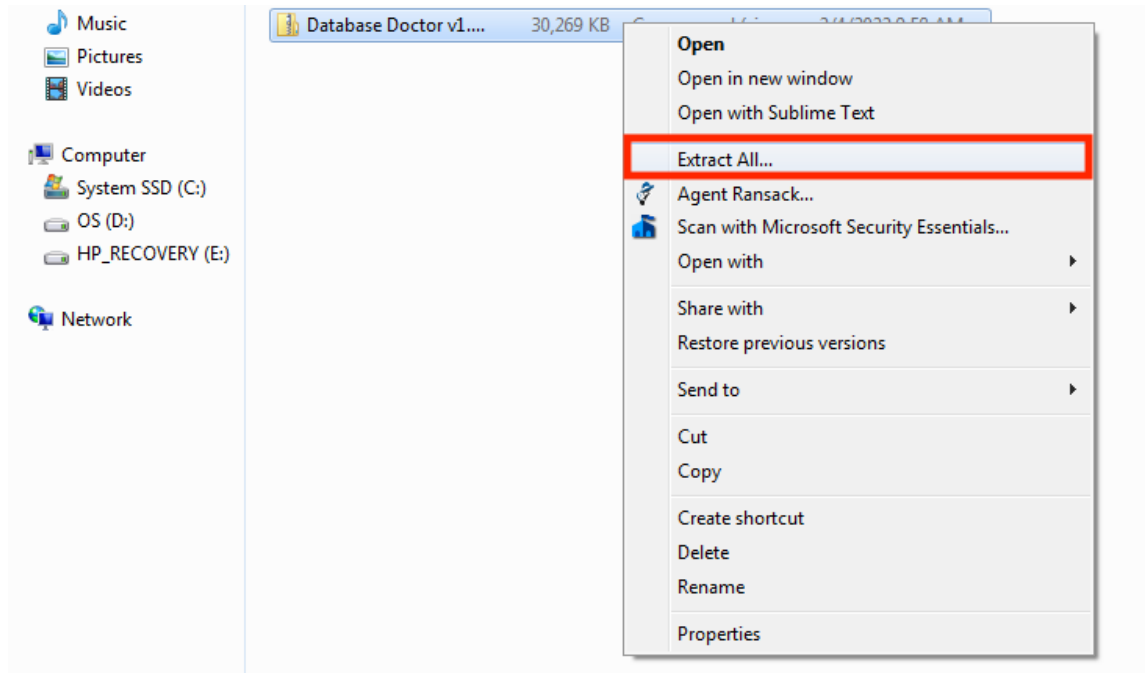
Please complete the following instructions to complete the Merchant Magic update. We have highlighted the items that are most commonly overlooked to help you successfully perform the update.

-  Once you have downloaded the Database Doctor v1.1.0.zip file, place it in your Desktop folder. The folder you decide to place the zip file does not matter. It can be placed anywhere on your computer.

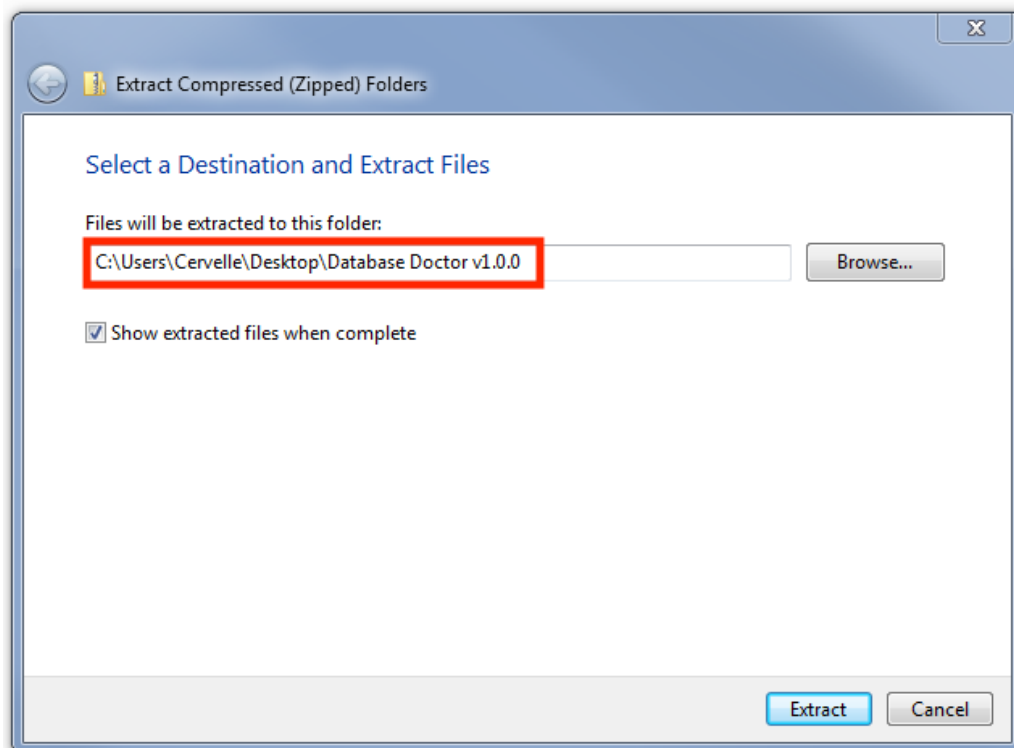
Favorites		Name	Date modified	Type
	Desktop	 Database Doctor v1.1.0	2/11/2022 4:29 PM	Compressed (zipp...
	Downloads			
	My Documents			



- Now we need to unzip this folder. For that, click on the folder and right-click again to open the menu. Once the menu is opened, select Extract All.

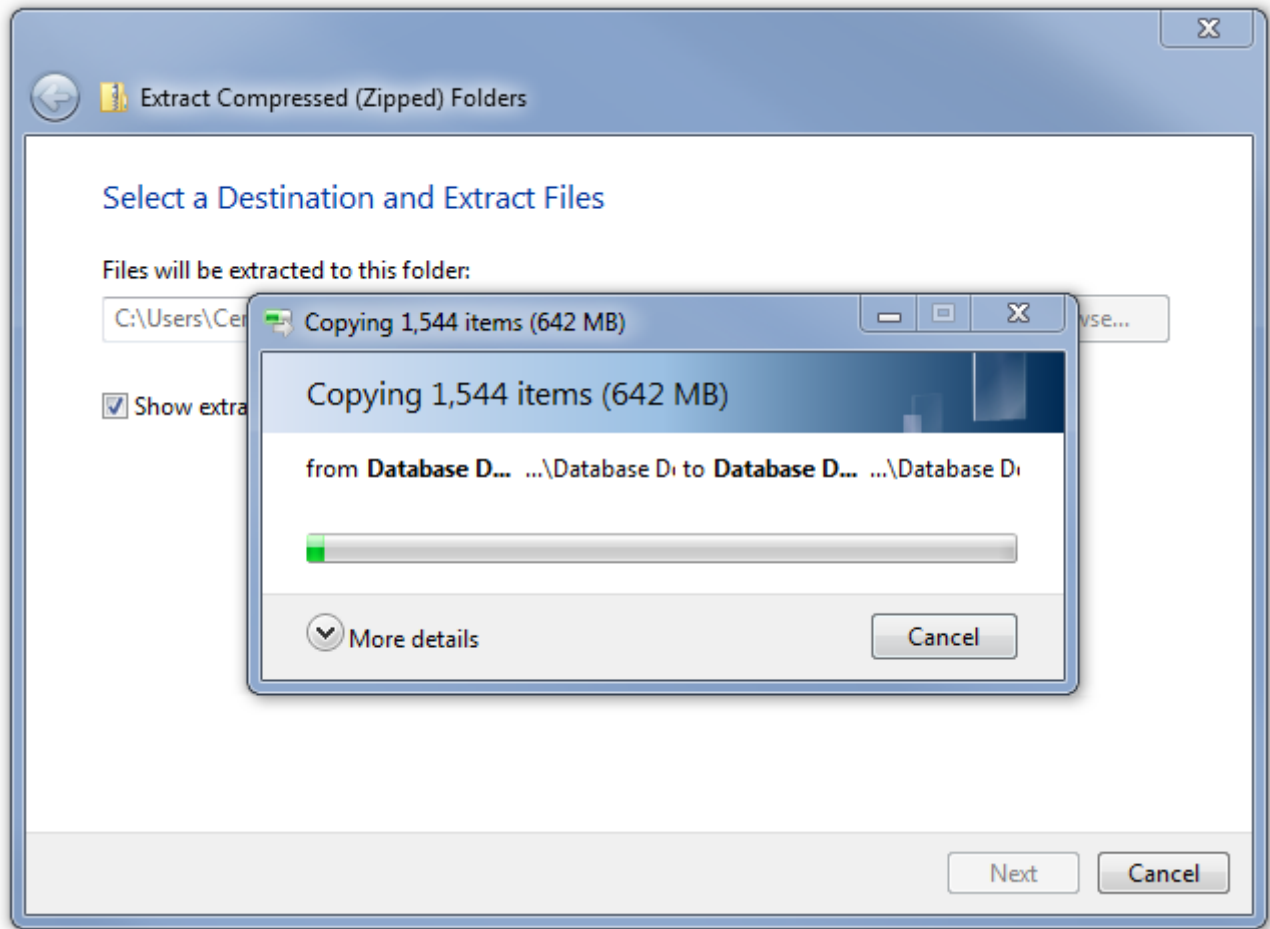


- Select the folder where you want to extract your file. In this case, we are extracting in the Desktop folder. *It is highly suggested that you extract into the same folder you placed the Database Doctor v1.1.0.zip file.*





- Wait until the extraction process is completed. That will open the folder with the files needed for the update.



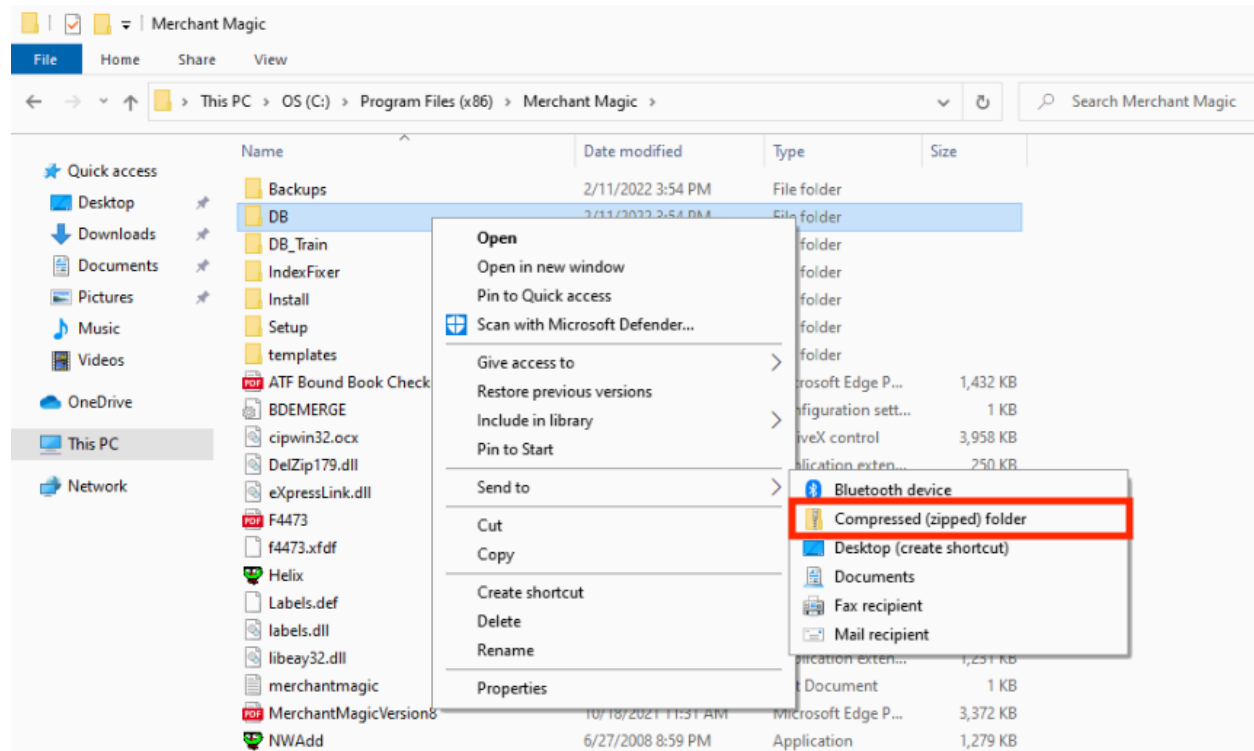
You should notice the following directory:

★ Favorites	Name	Date modified	Type	Size
Desktop	Database Doctor v1.1.0	2/11/2022 4:44 PM	File folder	
Downloads	Database Doctor v1.1.0	2/11/2022 4:29 PM	Compressed (zipp...	2,067 KB
My Documents				
My Music				



- You are now ready to begin! On the client's station, navigate in File Explorer to their DB folder. It should be under C:\Program Files (x86)\Merchant Magic\DB. Once you find their DB folder, compress it.

PLEASE DO NOT USE MERCHANT MAGIC WHILE UPDATING!



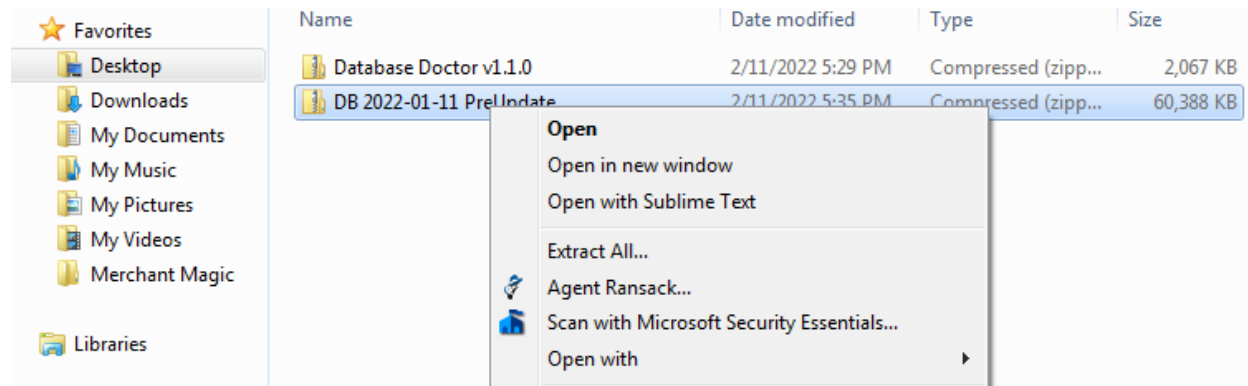
PS: Note that if the DB folder is not located in the Merchant Magic folder, refer to the Registry Editor or BDE to find the DB path. If that still does not work, check the shares of the computer to find the shared DB folder.

- Rename the zipped folder to DB YYYY-MM-DD PreUpdate.zip and leave it in their Merchant Magic directory. Now that you have the zipped DB on the client's station, transfer that to your station through SimpleHelp.

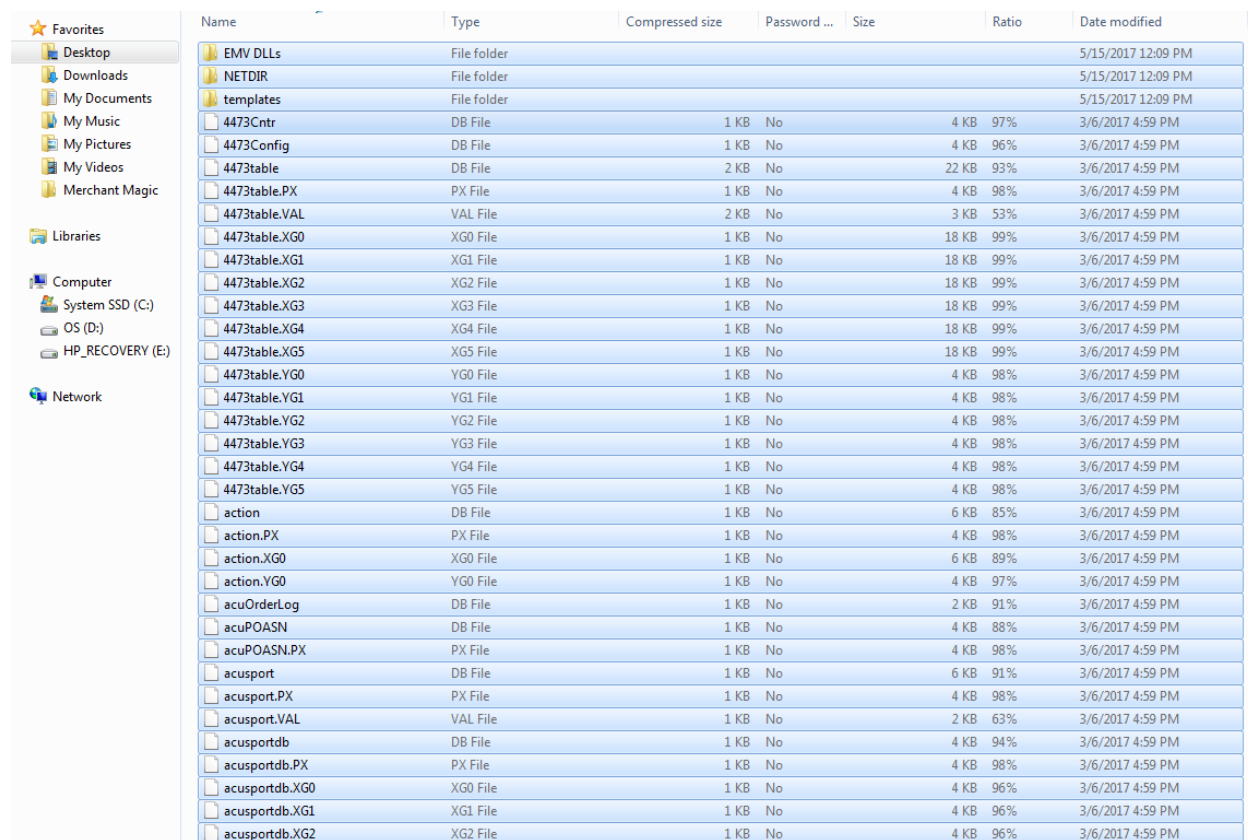
DB	2/11/2022 3:54 PM	File folder	
DB_Train	2/11/2022 3:54 PM	File folder	
IndexFixer	2/11/2022 3:54 PM	File folder	
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Setup	2/11/2022 3:54 PM	File folder	
templates	2/11/2022 3:54 PM	File folder	
ATF Bound Book Checker	10/18/2021 11:31 AM	Microsoft Edge P...	1,432 KB
BDEMERGE	2/17/2005 11:20 PM	Configuration sett...	1 KB
cipwin32.ocx	10/18/2021 11:31 AM	ActiveX control	3,958 KB
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DelZip179.dll	10/18/2021 11:31 AM	Application exten...	250 KB
eXpressLink.dll	10/18/2021 11:31 AM	Application exten...	436 KB



On your station, open the zipped folder.

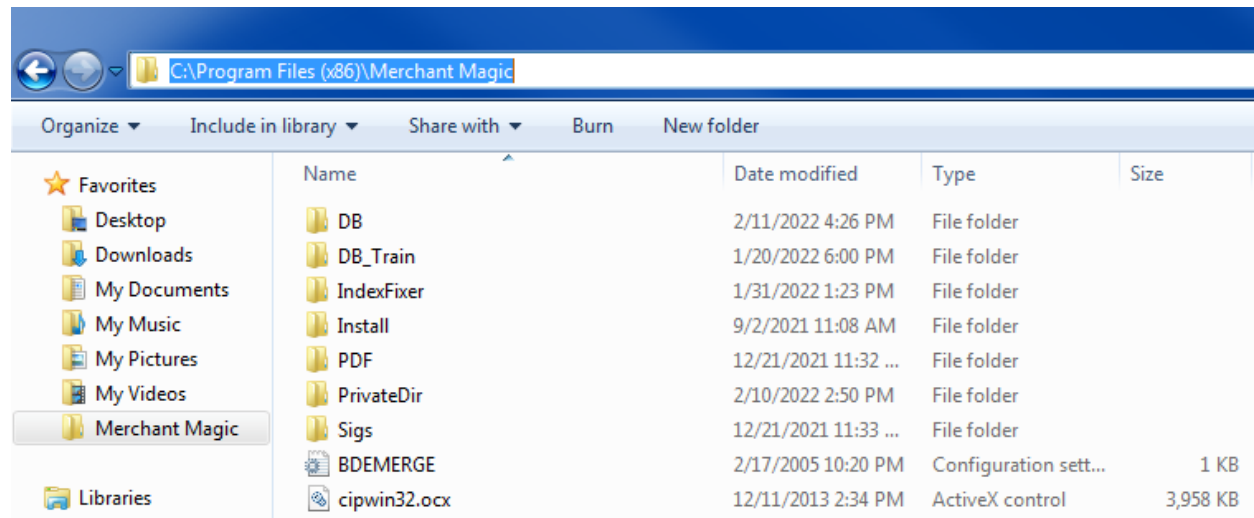


Then, press the keyboard shortcut Ctrl+A to select all items in the folder, then Ctrl+C to copy all items in the folder.

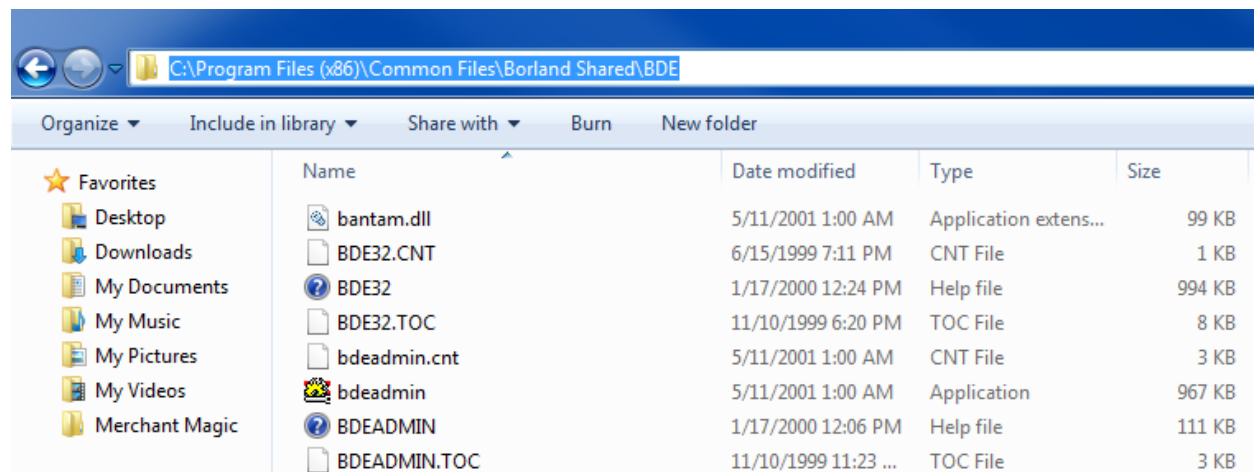




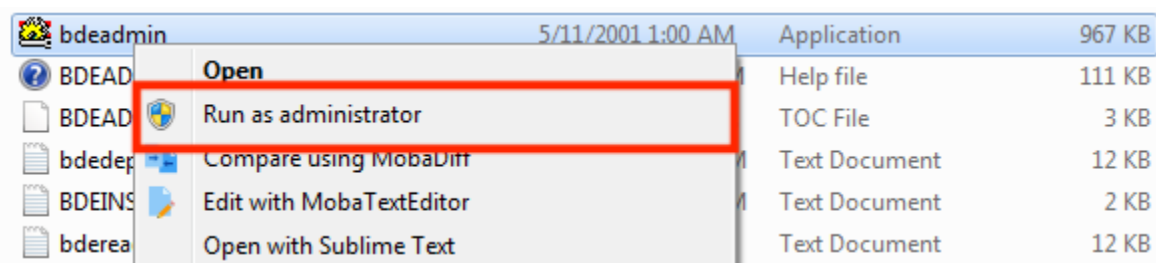
- Now that you copied all items, navigate to your Merchant Magic folder and place all items in the DB folder. Reference path: C:\Program Files (x86)\Merchant Magic\DB.



- Once you have the client's DB in your Merchant Magic folder, we need to make sure your alias is set up correctly. So, the first thing to do is to navigate to your bdeadmin.exe in C:\Program Files (x86)\Common Files\Borland Shared\BDE.

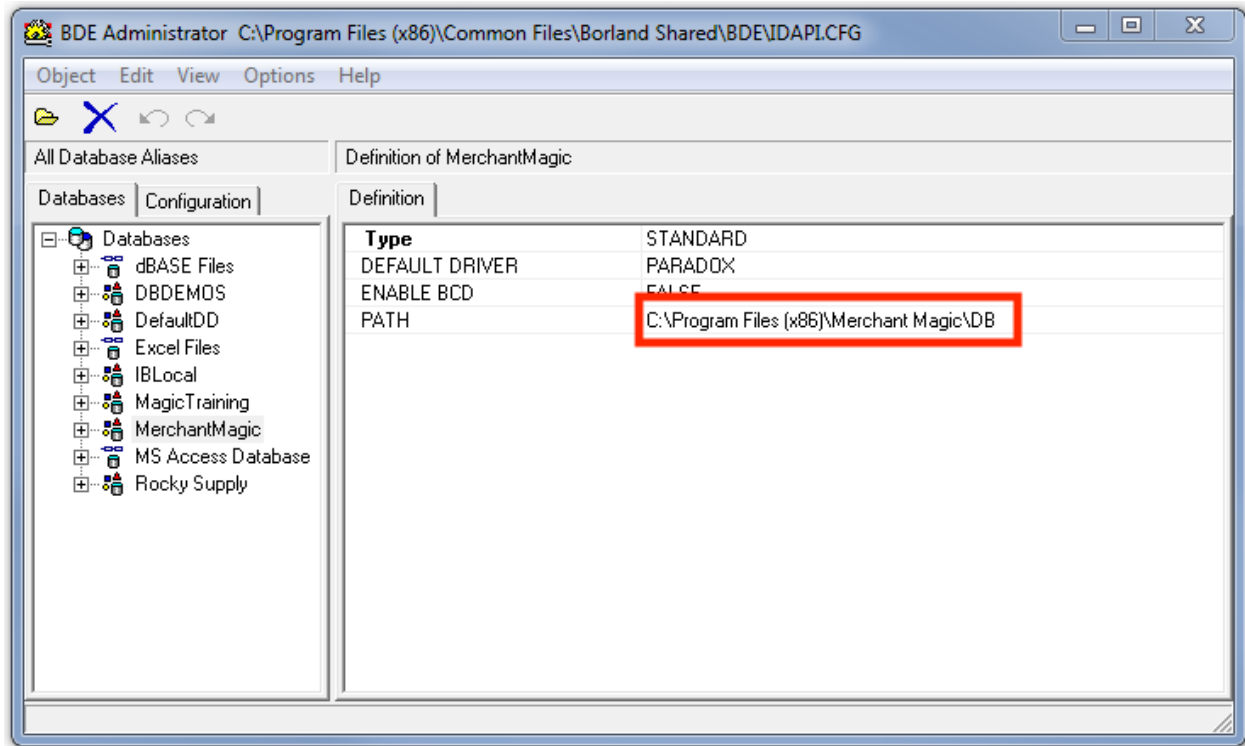


- Right-click on the application and "Run as Administrator."

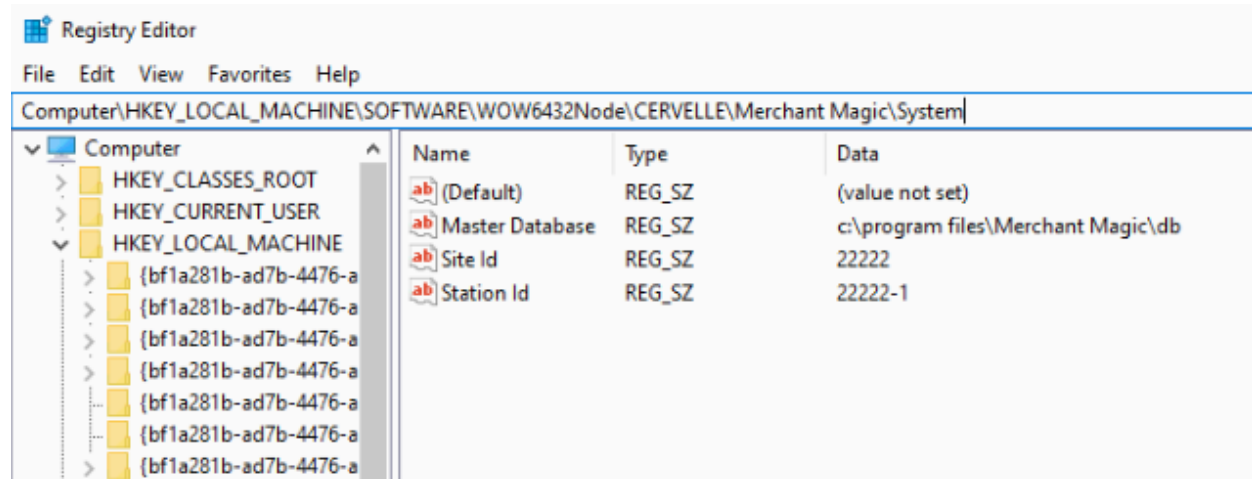




- ☞ Make sure the path for the Merchant Magic alias is set up to C:\Program Files (x86)\Merchant Magic\DB.



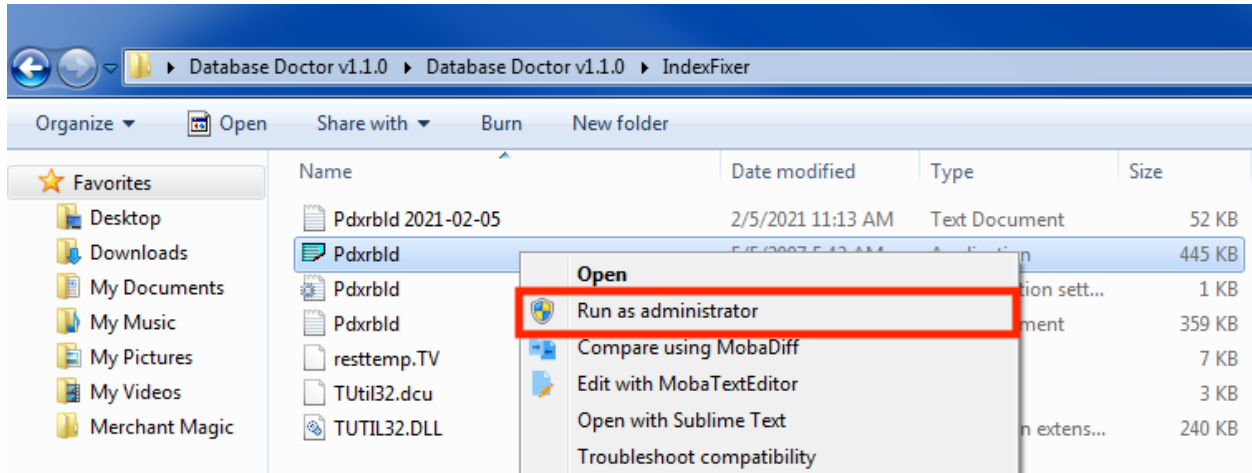
- ☞ Now that we know that our alias is set up correctly in bdeadmin.exe, let's navigate to the Registry Editor and do the same.



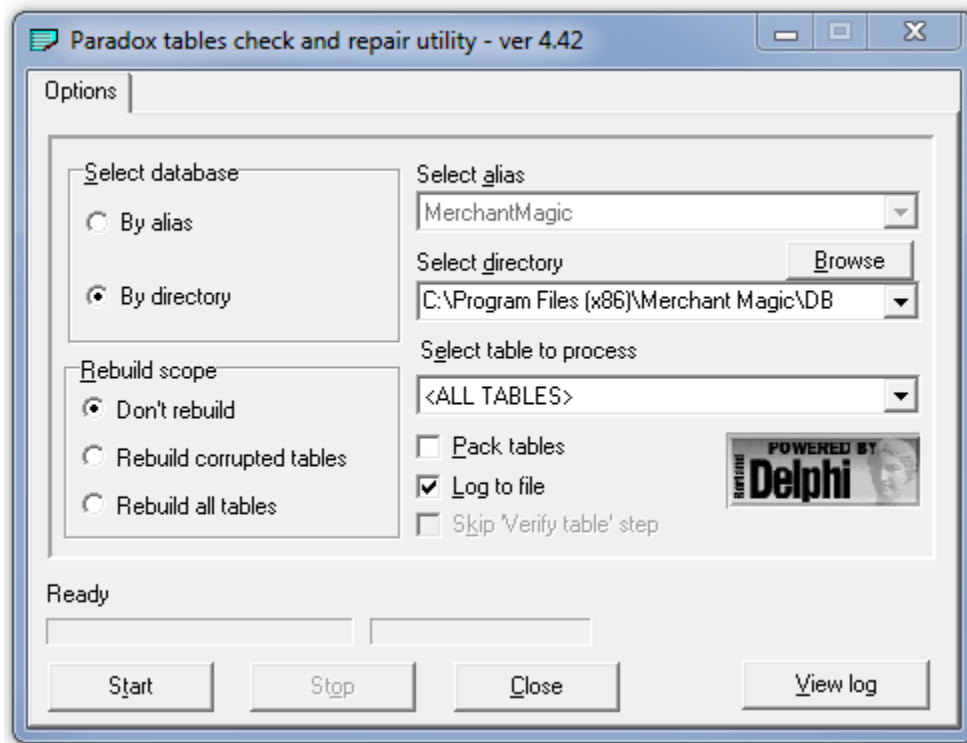


- You are now ready for the update! Go back to your Database Doctor v1.1.0 folder. The first thing we need to do before running the HelixDoctor.exe is to check if the tables we are dealing with are free of index corruption. For that, let's open the IndexFixer folder and run the Pdxblld.exe as administrator.

ONCE AGAIN, DO NOT USE MERCHANT MAGIC WHILE UPDATING!

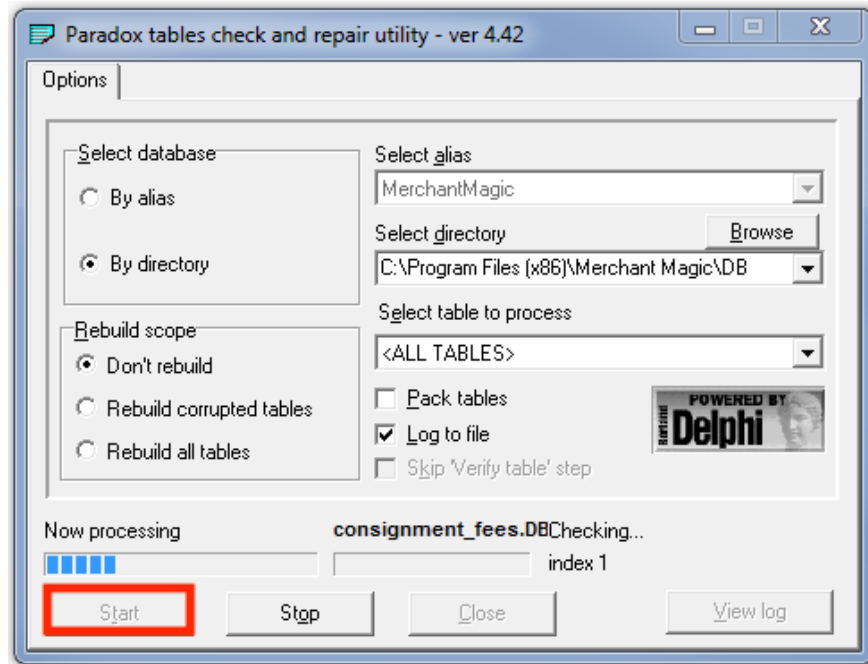


- Once you have the Pdxblld.exe open, make sure your selections match the image below. We are just trying to check for corruption, we are **NOT** fixing the indexes.

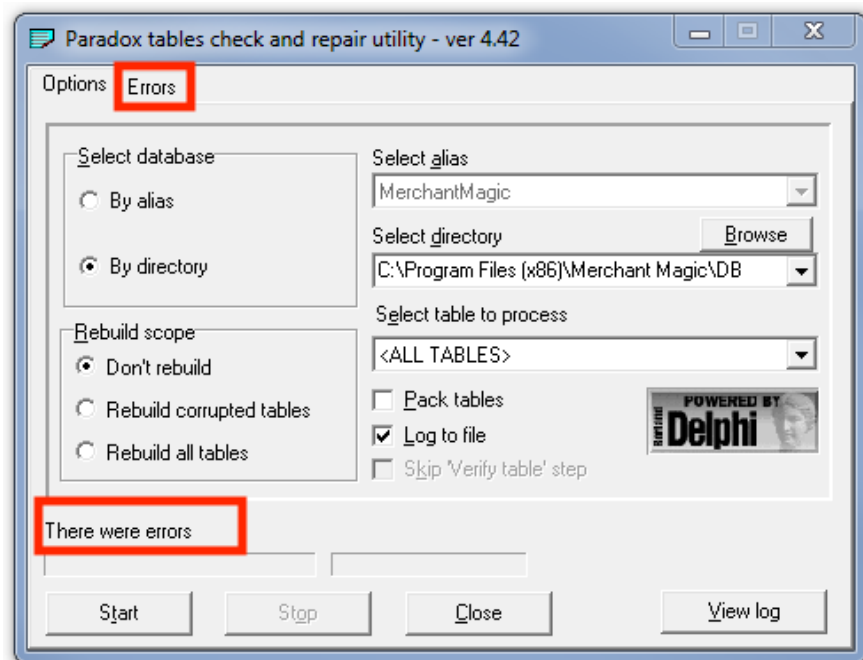




- Press Start to begin checking for index errors. *Please note that, if there are any errors, an error tab will appear.*

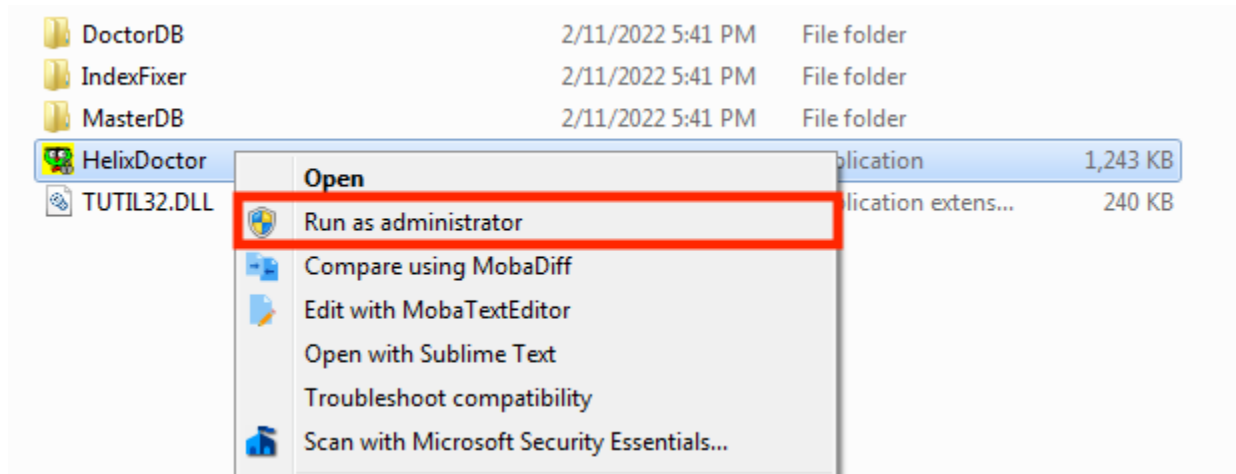


- Once Pdxblid.exe stops, check if there are any errors. If no errors were found, you are ready for a COMPLETE database update. If errors were found, please correct them before running HelixDoctor.exe. If errors cannot be corrected, please proceed with a SELECTED database update.



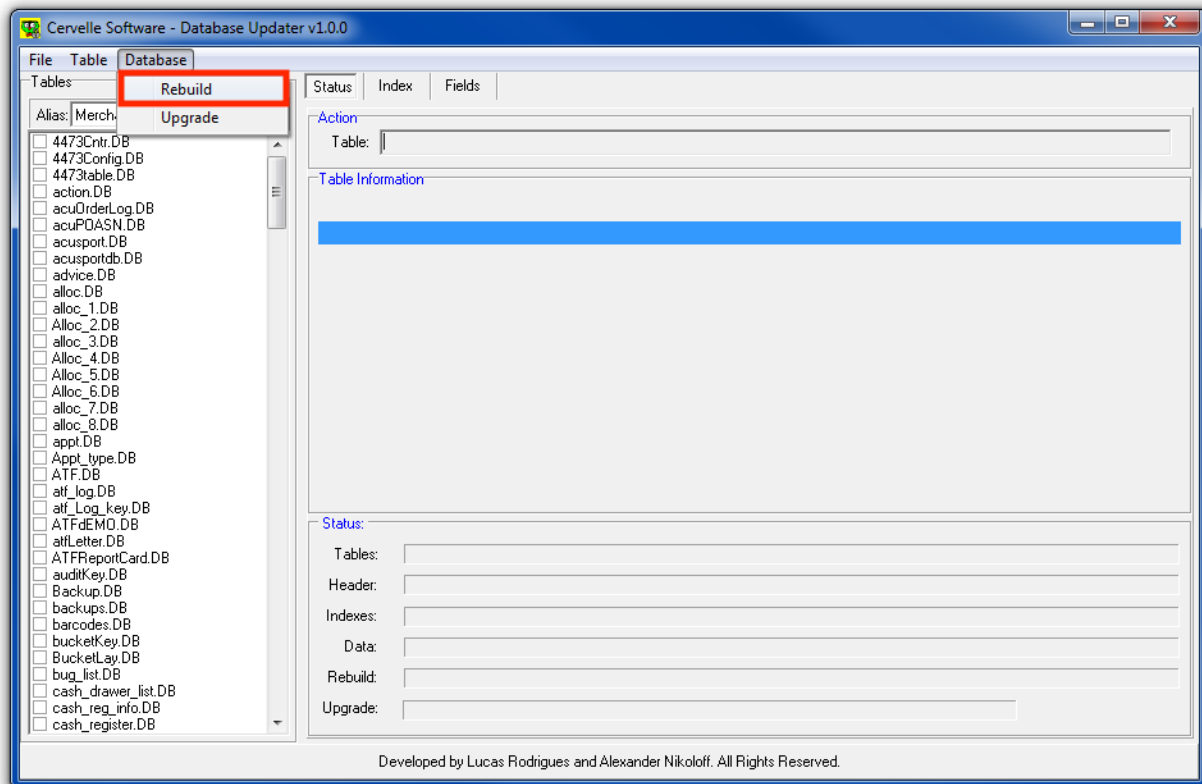


- Now, we are finally ready for HelixDoctor.exe. Go back to the Database Doctor v1.1.0 folder and right-click on the application and “Run as administrator”.



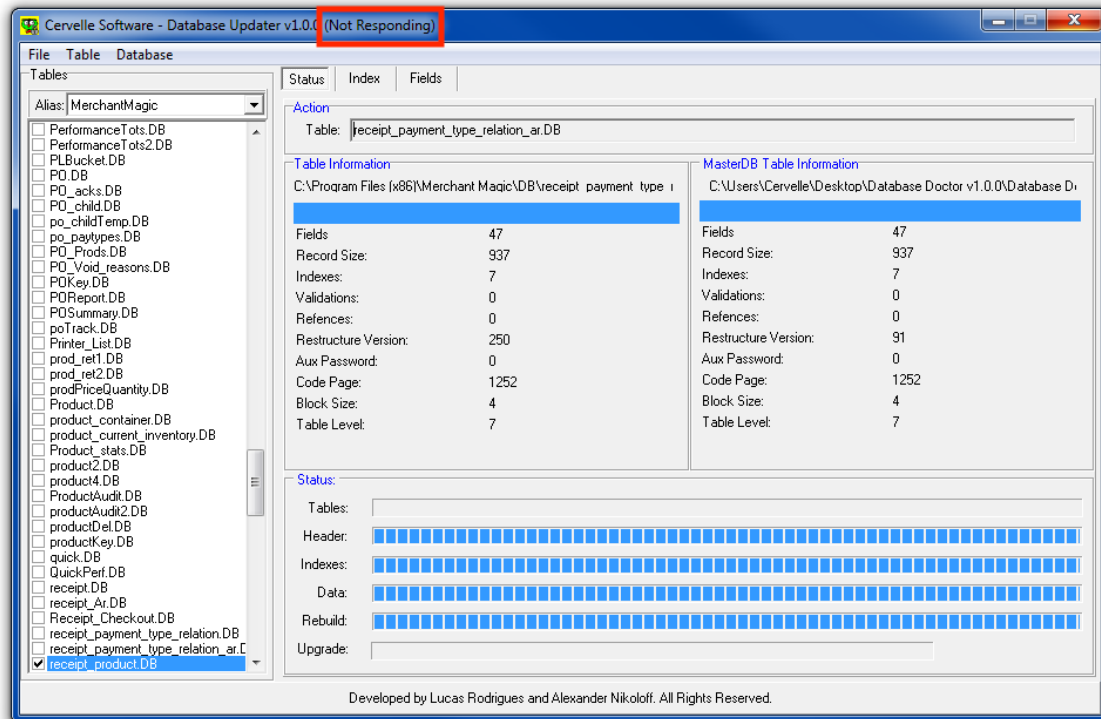
COMPLETE Database Upgrade

- Once the application is open, select the Database option from the top menu and select Rebuild. That will go over all the tables and make sure all headers are correct. It will also convert any tables from Paradox 5 to Paradox 7.

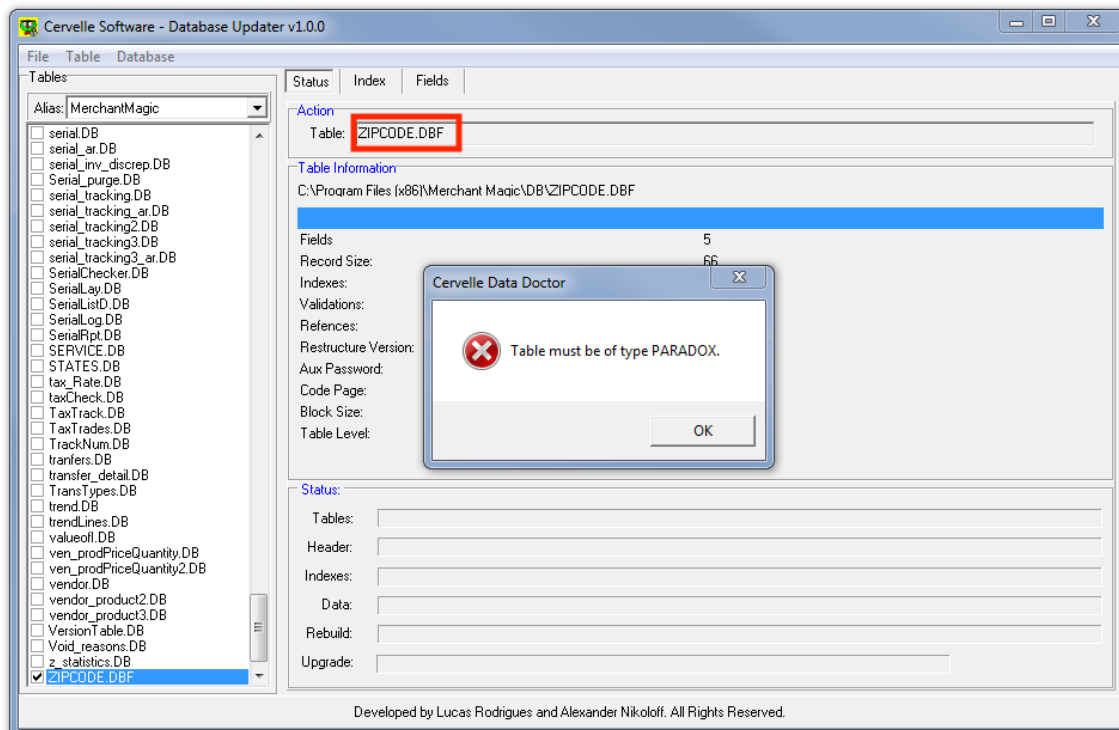




- Please note that when the application is running, it is normal to have a (Not Responding) label on the screen. **DO NOT EXIT THE APPLICATION WHILE IT IS RUNNING!**

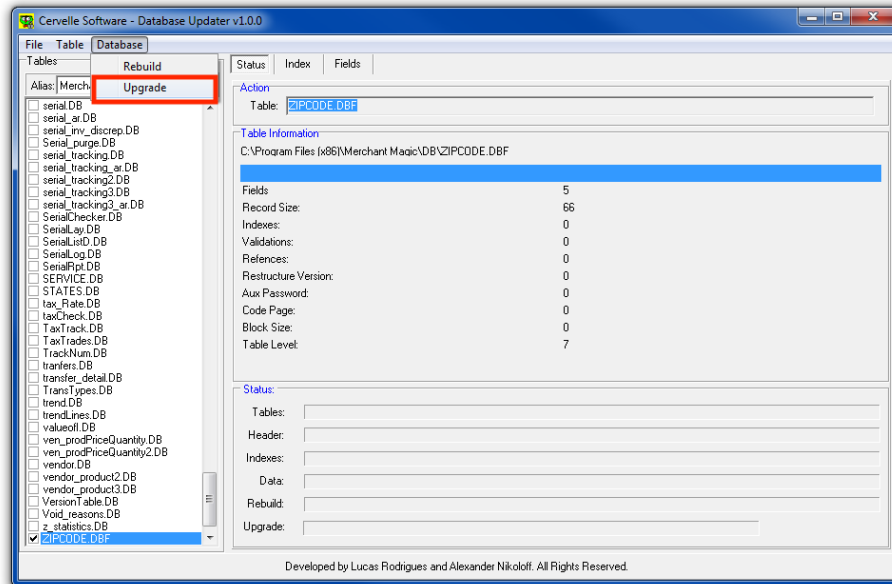


- Please note that it is also normal to get this error. It means that you have a table with a .DBF extension. That does not affect the update. If this error appears, press OK and move on.

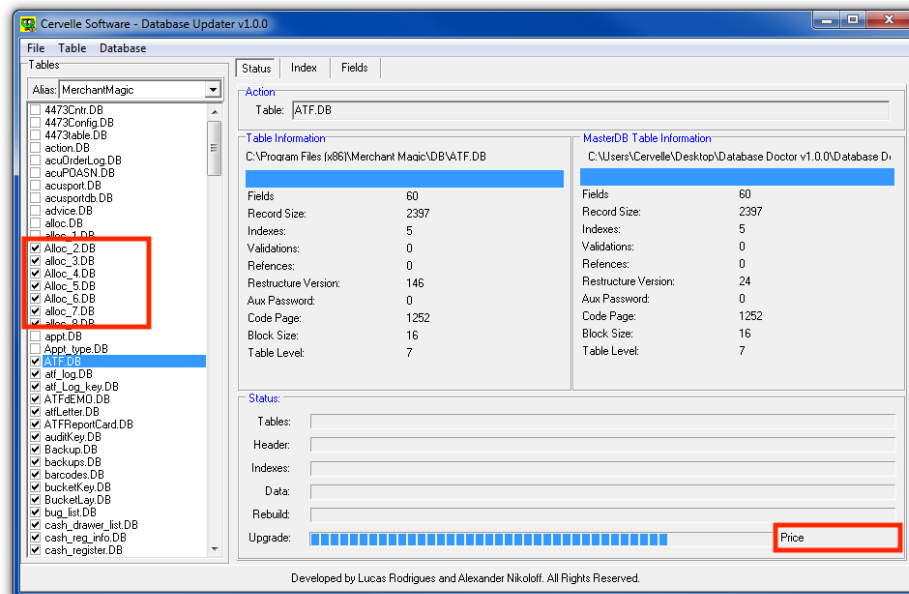




- Now that you are done rebuilding all the tables, it is time to update. **YOU MUST REBUILD BEFORE YOU UPDATE.** Select the Database option from the top menu and select Upgrade. That will go through each table in the database and check if the table exists, modify the existing tables, add new tables, add new fields, set up default values, destroy all indexes and re-creates all of them.



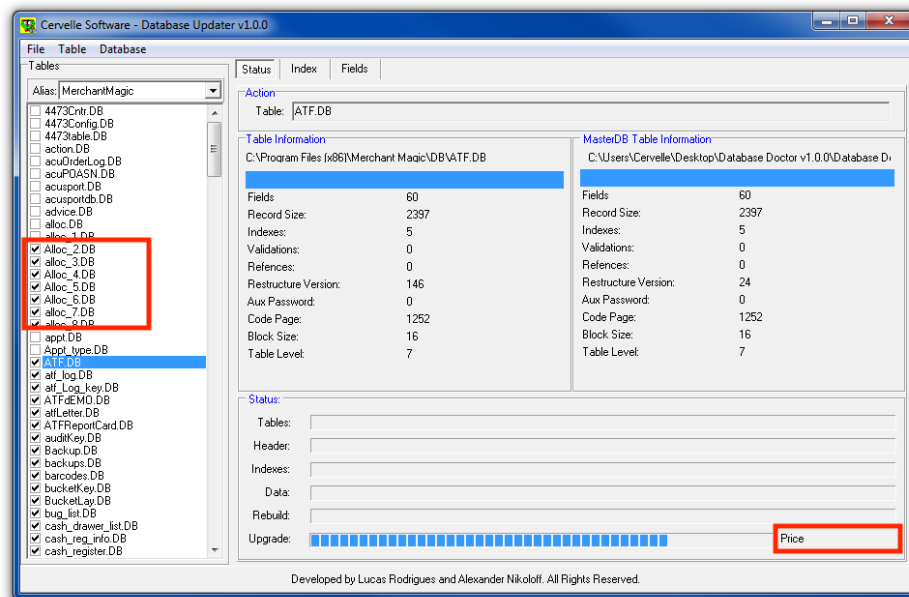
- Once the update starts, please note that the progress bar not only shows the progress, but it shows exactly which field the application is currently working on. On the left side, you will notice that the tables that did not get updated are still selected once the upgrader goes over them. That means that they were not updated. This could be because the table does not exist in the MasterDB, or the table was corrupted and could not be opened.



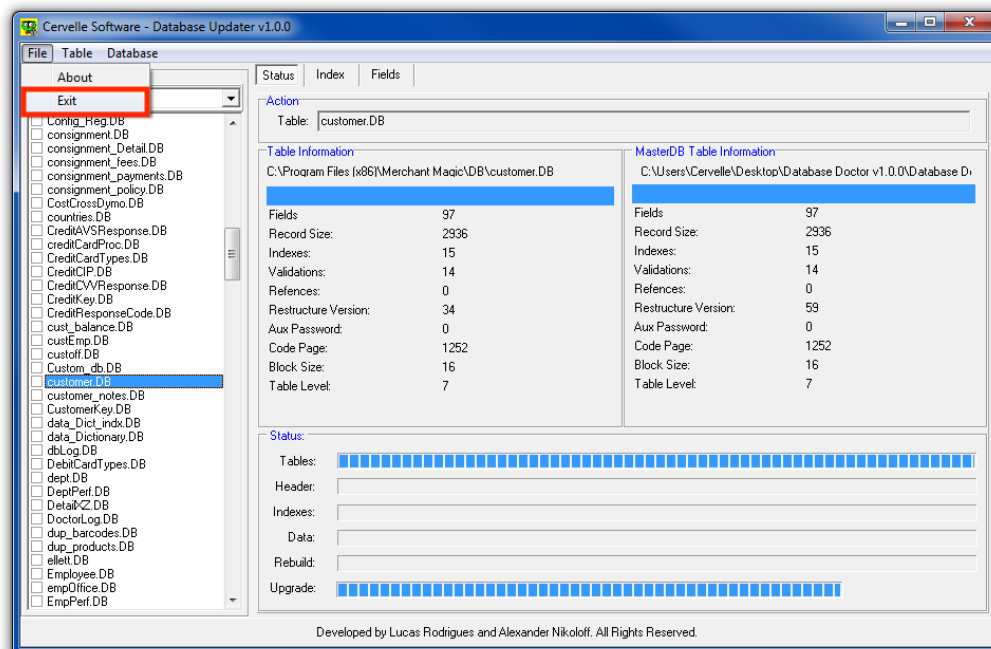


Once this process is over,
THE UPDATE IS COMPLETE!

- When the update is complete, please review the tables to see if you can resolve the exceptions. If the receipt table is still checked, you will have to do additional research to address the possible errors.

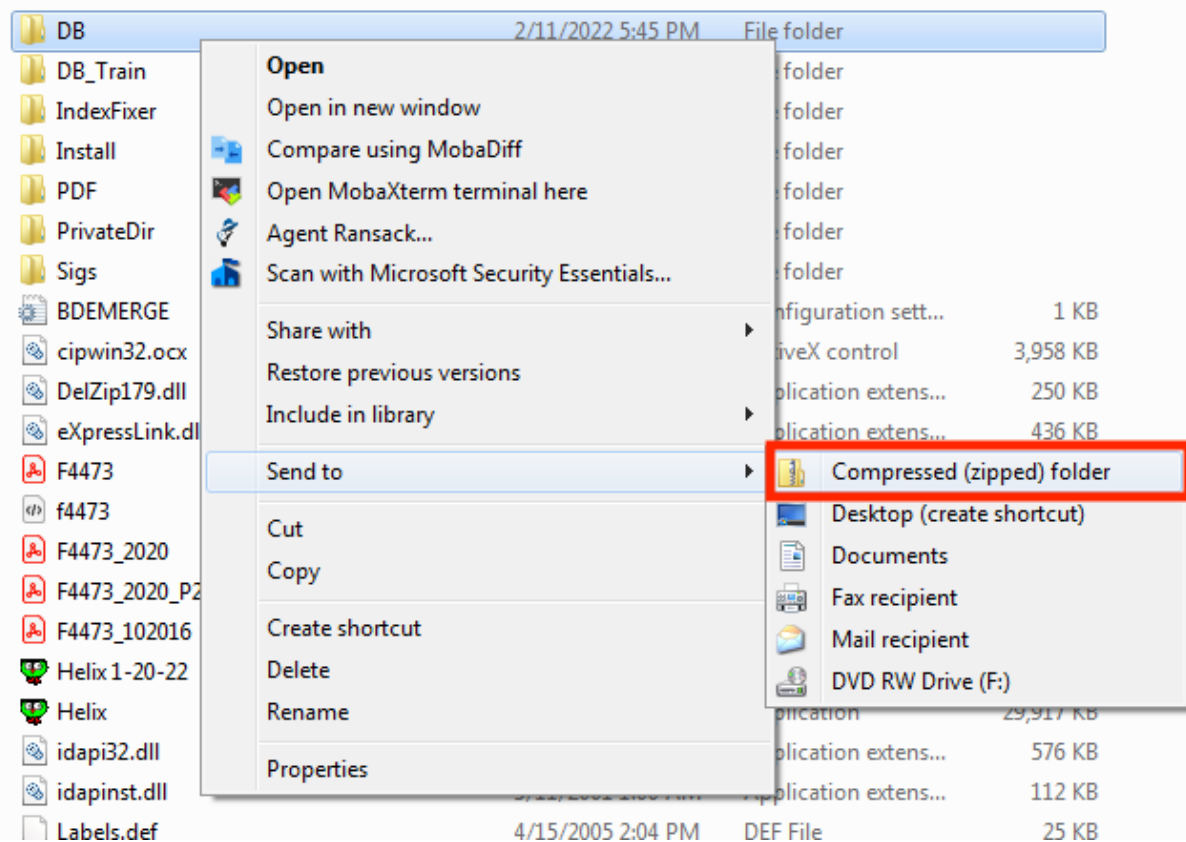


- Once you are done with the update, you can exit the application. For that, you can use either the X button at the top-right or go to **File** in the top menu and press **Exit**.





- Now that the update is done, we are ready to send the DB back to the customer. Navigate to your Merchant Magic folder and compress your “updated” DB folder.



- Rename the zipped folder to DB YYYY-MM-DD PostUpdate.zip. Send the zipped folder to the *client's station* via SimpleHelp.

BDEMERGE	2/17/2005 10:20 PM	Configuration sett...	1 KB
cipwin32.ocx	12/11/2013 2:34 PM	ActiveX control	3,958 KB
DB 2022-01-11 PostUpdate	2/11/2022 5:49 PM	Compressed (zipp...	15,948 KB
DelZip179.dll	4/9/2014 6:02 PM	Application extens...	250 KB
eXpressLink.dll	10/8/2015 3:31 PM	Application extens...	436 KB

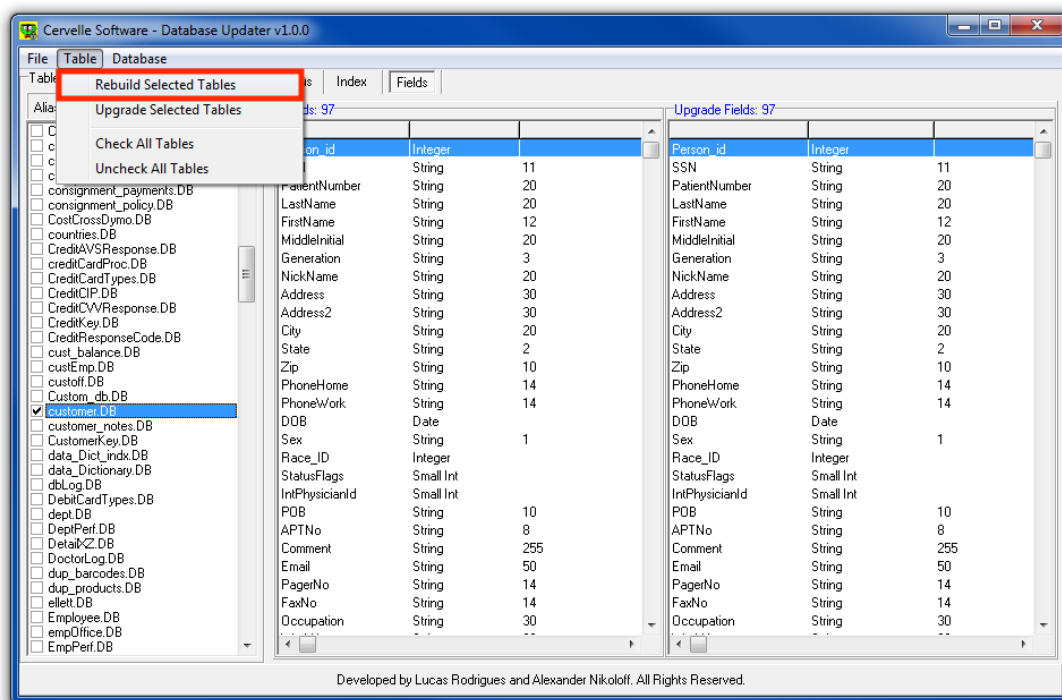
- Now you should have two zip files as shown in the picture below. That will help in case there are any further questions about the update. You will have stored the database before and after the update as a reference. Our customers do occasionally question data changes after an update, so this serves as a means of proof.



Backups	2/11/2022 3:54 PM	File folder	
DB	2/11/2022 3:54 PM	File folder	
DB_Train	2/11/2022 3:54 PM	File folder	
IndexFixer	2/11/2022 3:54 PM	File folder	
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F4473	10/18/2021 11:31 AM	Microsoft Edge P...	1,330 KB
f4473.xfdf	10/18/2021 11:31 AM	XFDF File	8 KB
Helix	10/18/2021 11:31 AM	Application	1 KB
Labels.def	4/15/2005 3:04 PM	DEF File	25 KB
labels.dll	3/31/2005 3:38 PM	Application exten...	932 KB
libey32.dll	10/18/2021 11:31 AM	Application exten...	1,231 KB
merchantmagic	10/18/2021 11:31 AM	Text Document	1 KB

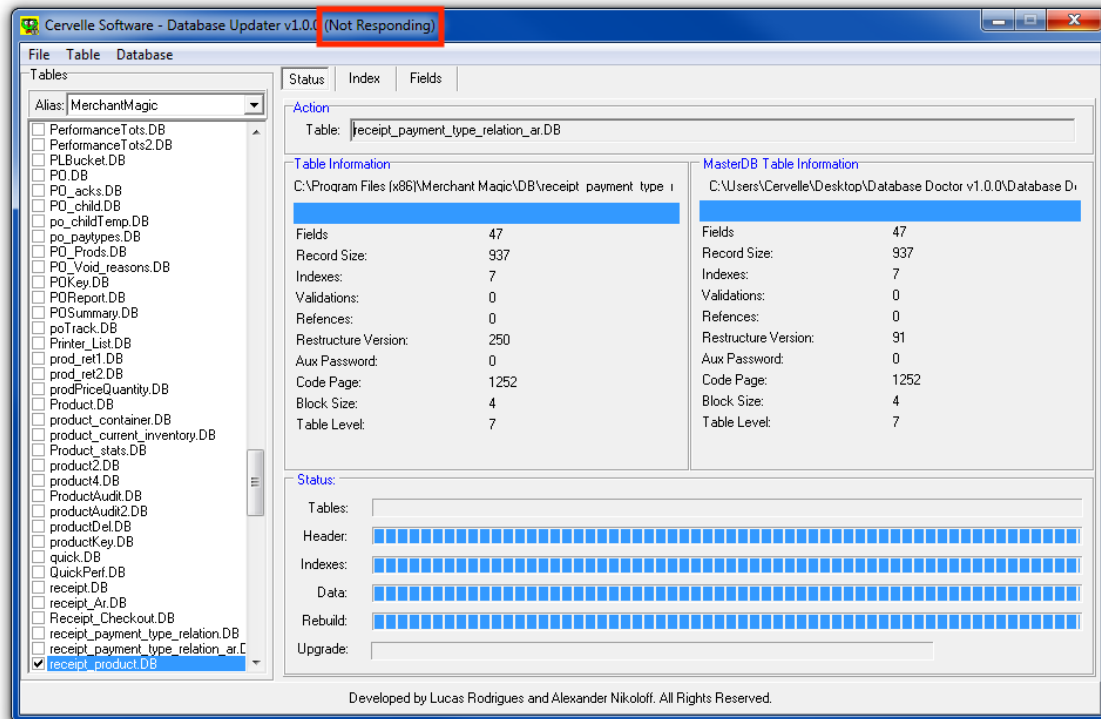
SELECTED Database Upgrade

- Once the application is open, please select only the tables you want to update. Now that you have your tables selected, select the **Table** option from the top menu and select **Rebuild Selected Tables**. That will go over the selected tables and make sure all headers are correct. It will also convert any tables from Paradox 5 to Paradox 7.

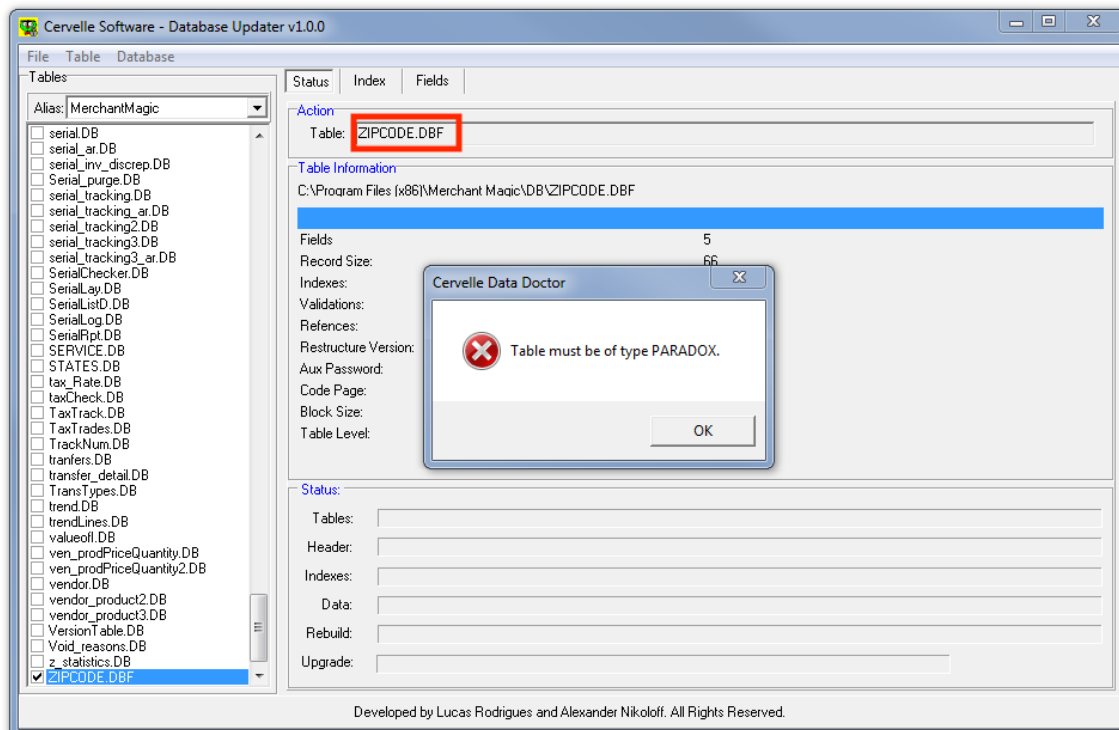




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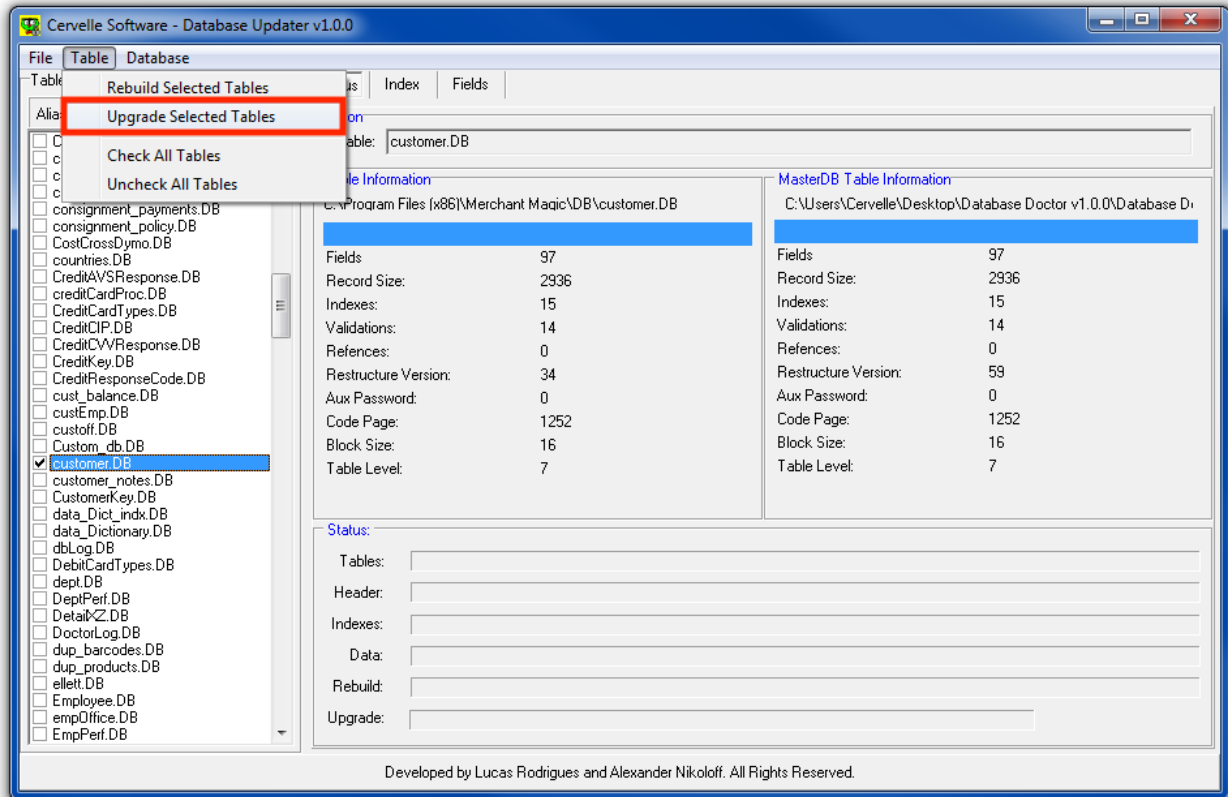


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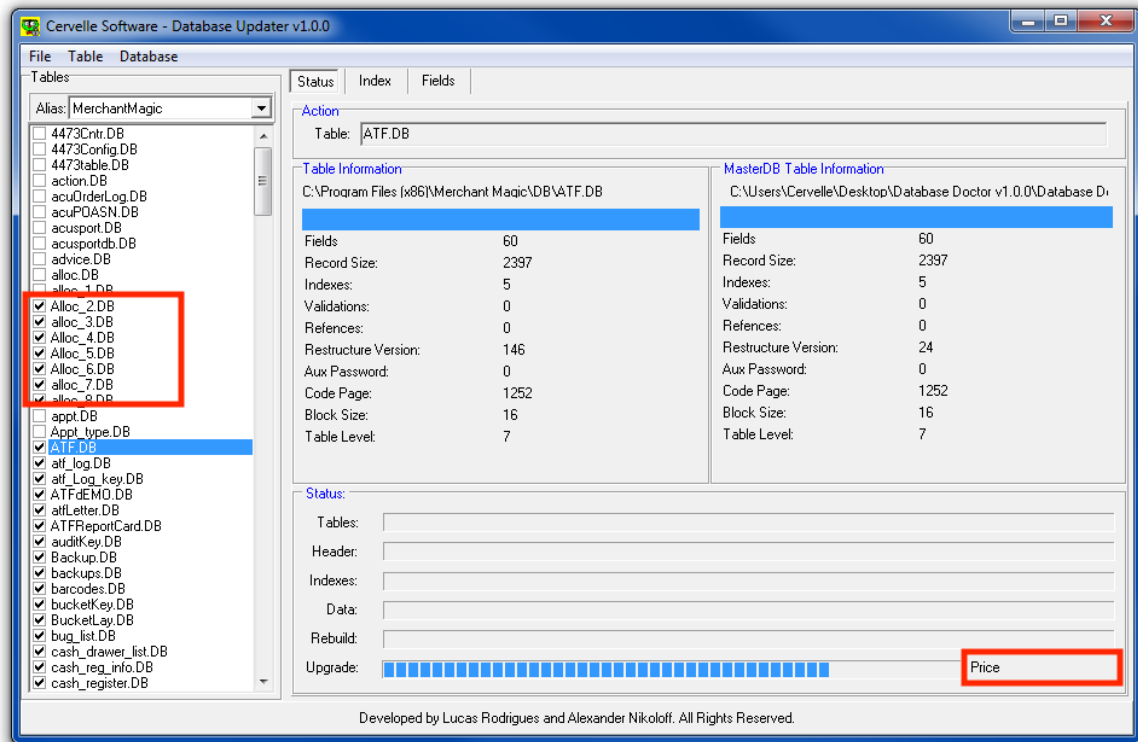


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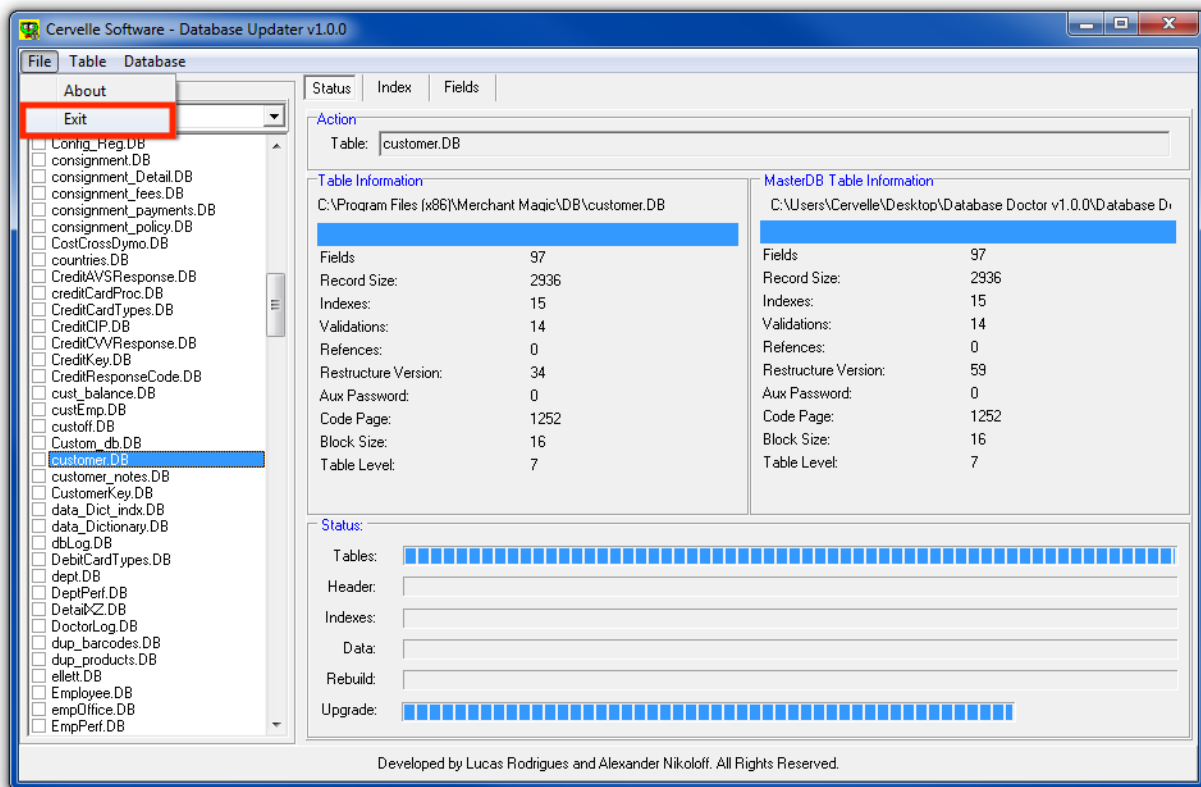


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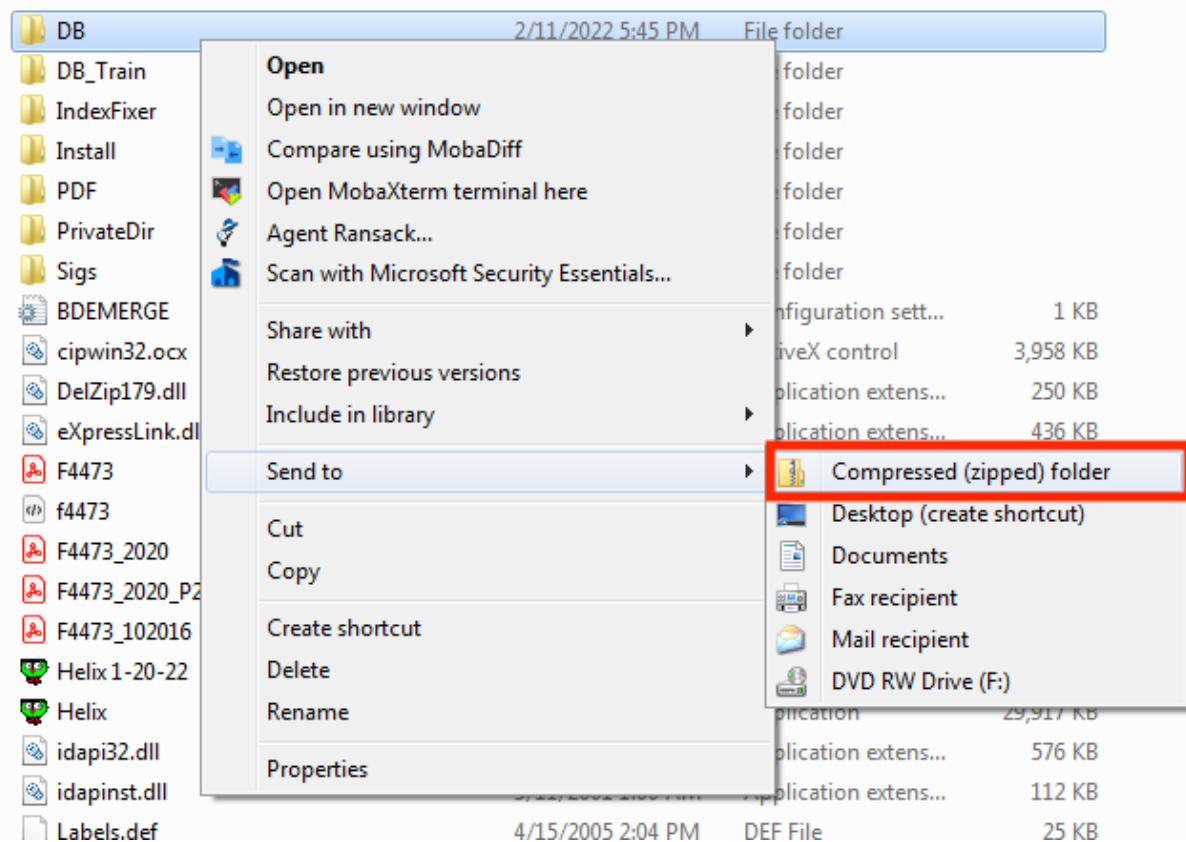


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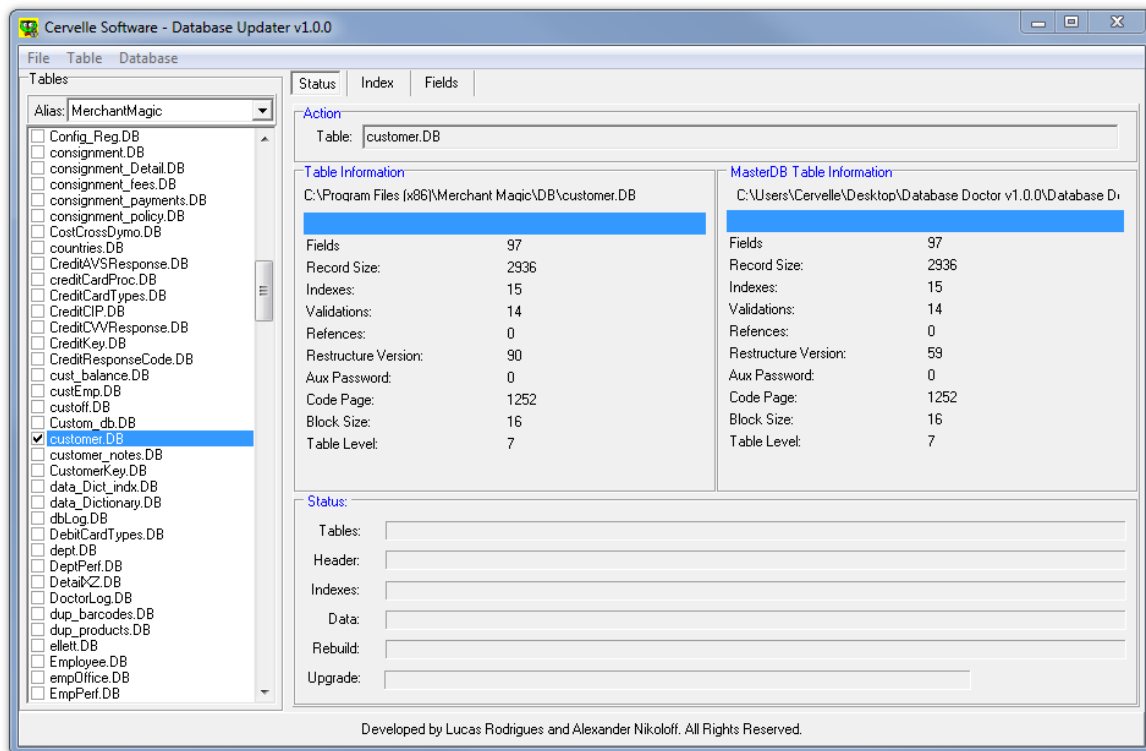
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F4473	10/18/2021 11:31 AM	Microsoft Edge P...	1,330 KB
f4473.xfdf	10/18/2021 11:31 AM	XPDF File	8 KB
Helix	10/18/2021 11:31 AM	Application	1 KB
Labels.def	4/15/2005 3:04 PM	DEF File	25 KB
labels.dll	3/31/2005 3:38 PM	Application exten...	932 KB
libey32.dll	10/18/2021 11:31 AM	Application exten...	1,231 KB
merchantmagic	10/18/2021 11:31 AM	Text Document	1 KB

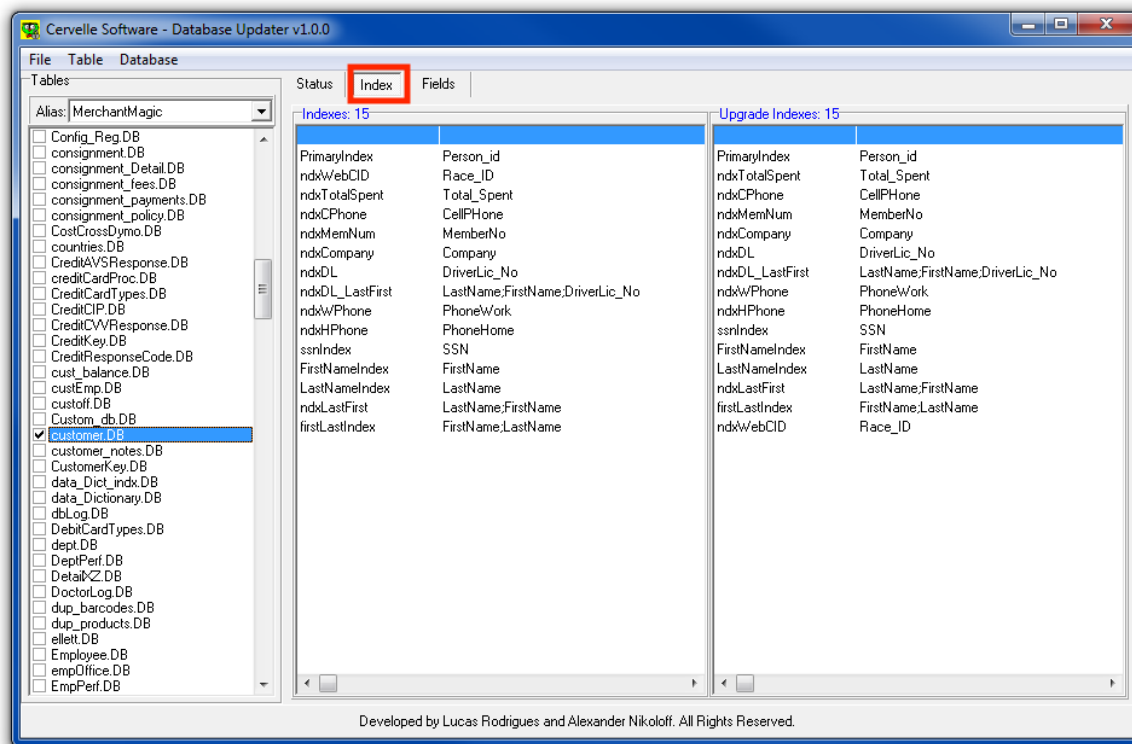
Additional Tools

- You can select any table from the select box on the left and see the differences between the client's table and the clean DB.

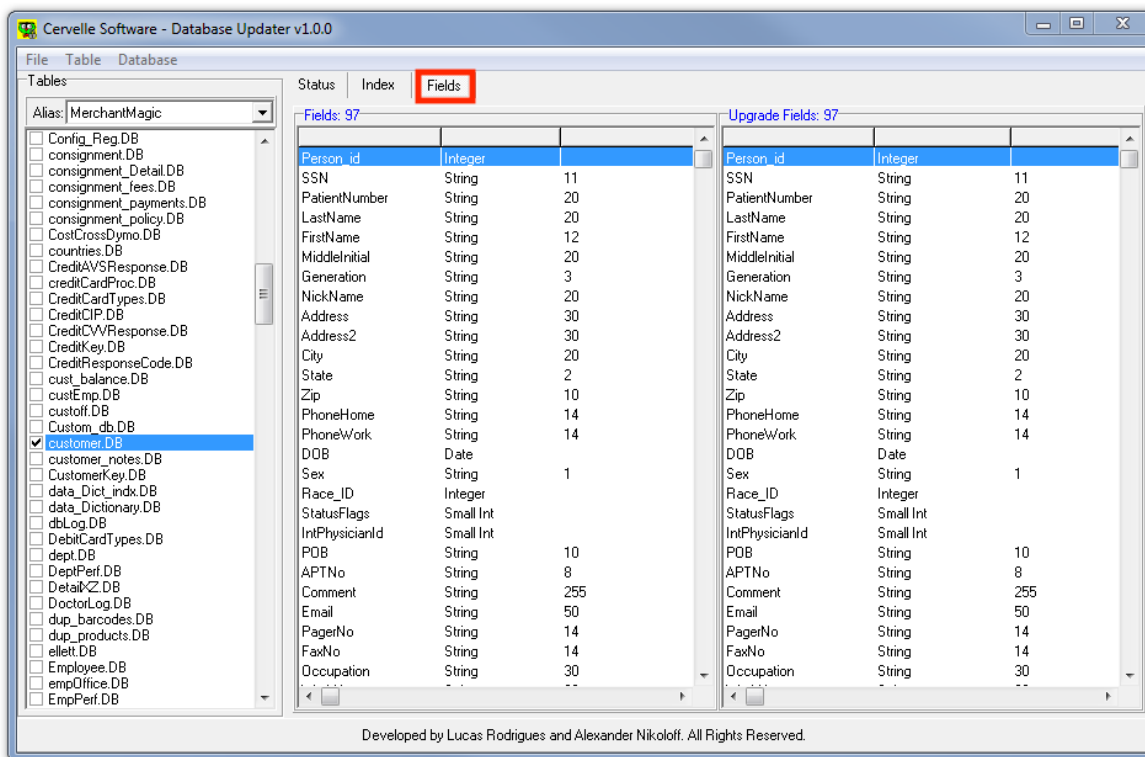




You can select the Index tab and see the indexes from both client's table and the clean DB.



You can select the Fields tab and see the field differences between the client's table and the clean DB.

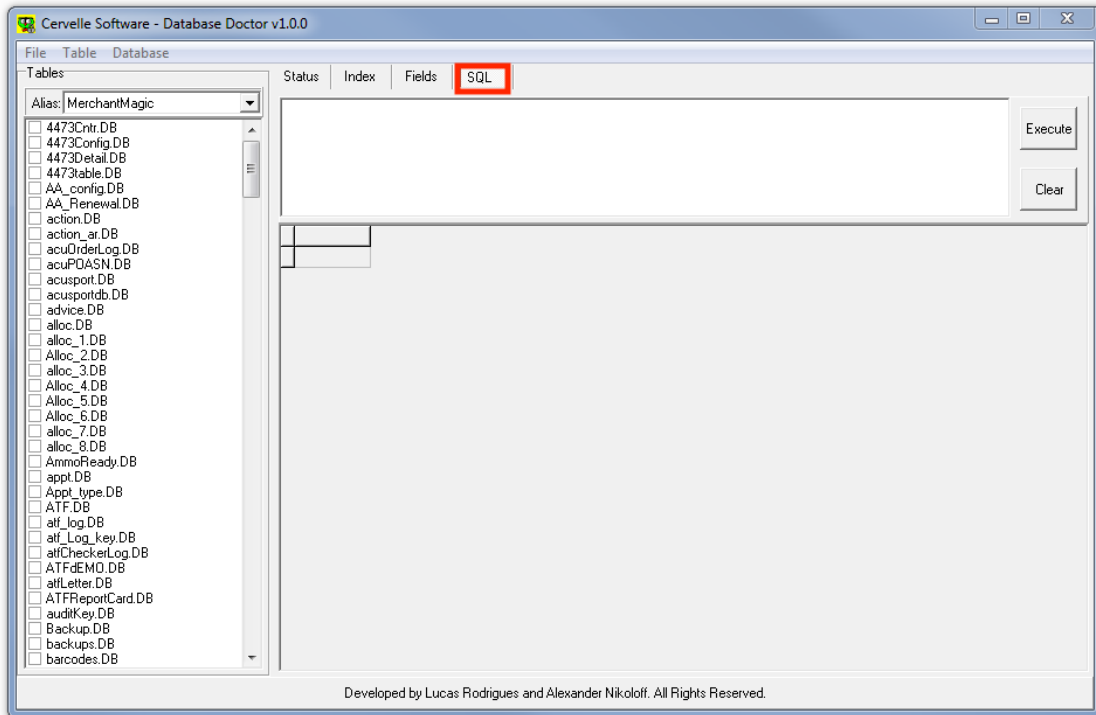




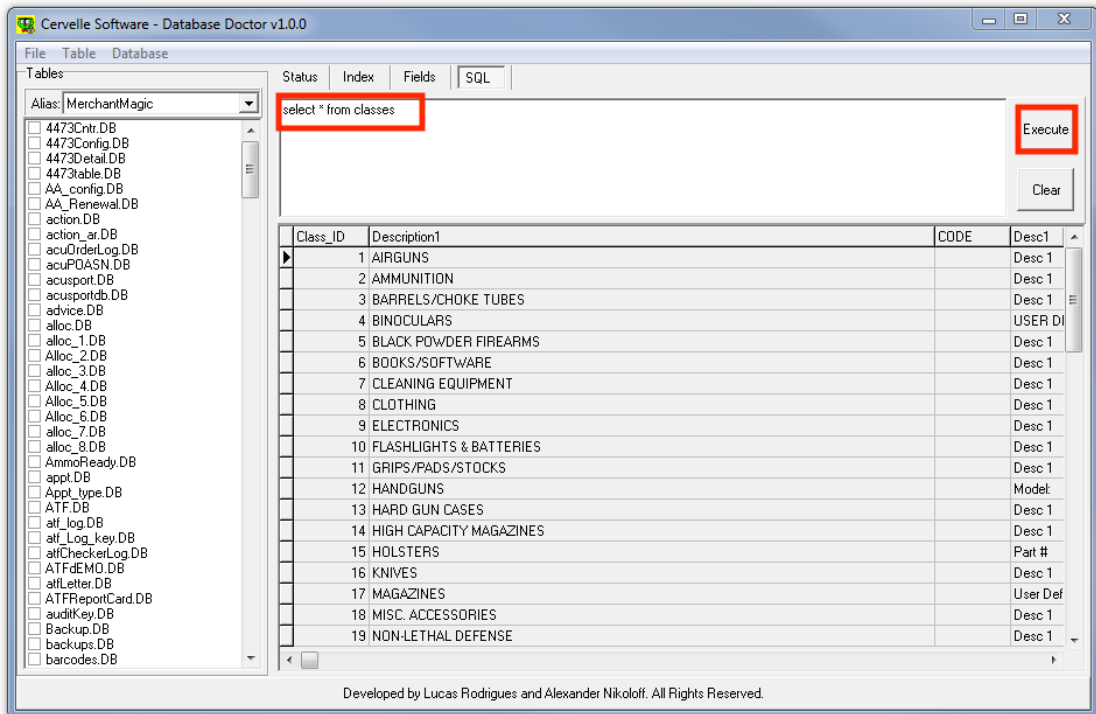
- You can select the SQL tab and create any SQL query on the alias database. Please note that this tool is really dangerous.

DO NOT USE THE DELETE SQL QUERY in this box without a backup!

Once you delete data from a table, it will **NEVER** be recovered.

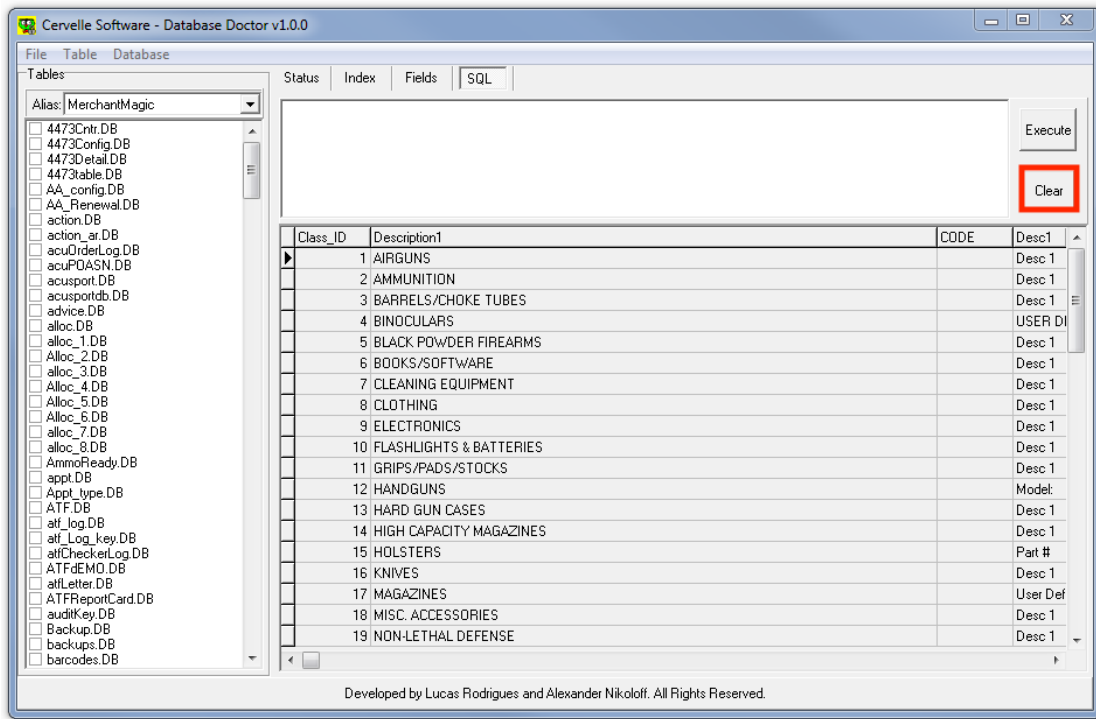


- Once you press Execute, the SQL displays the result in the console below the input box.





Once you press Clear, the SQL box is ready to receive another query input.



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