

Improve Your Database Speed

Magaya software version 8.5 brings you new features that will help optimize your Magaya database. When you update to version 8.5, these optimizations are not required to use the new version but they are recommended, especially for companies with large databases.

Please note: Make a backup of your data and update to version 8.5.

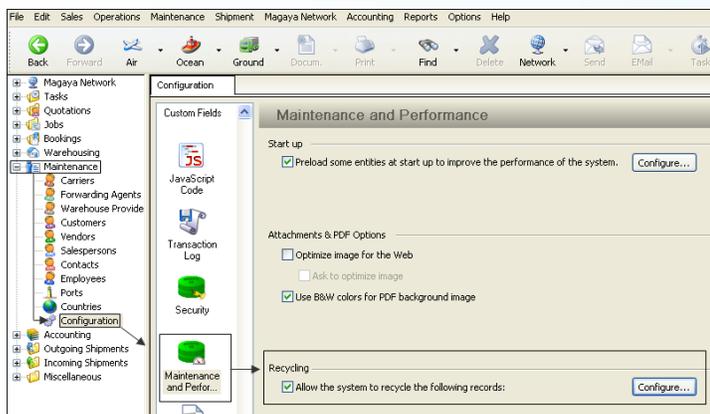
1. Recycling

The first step toward having an optimized database in version 8.5 is recycling some records to reduce the amount of records the database holds. The smaller the database, the faster it runs.

If you have a lot of transactions in the Transaction Log, clean it before starting the recycling. To clean the Transaction Log, click Options > Transaction Log. In the list, click the Actions button and select Clean up Transaction Log.

Follow these steps in this order:

In Magaya software version 8.5, go to the new Configuration option, "Maintenance & Performance":



1. Check the box to "Allow the system to recycle the following records."
2. Click the "Configure" button. A dialog box opens. It displays a list of records your database keeps.
3. To keep your database smaller, reduce the number of days the records are kept by changing the default to as few days as possible. For the Transaction Log, Received Messages, Sent Messages, we recommend selecting 30 days or 60 days. The others can maintain the default setting or change them according to your needs.
4. Click OK to save and close the dialog box.



5. Click "Save" in the Maintenance & Performance Configuration screen.

You can continue working while this recycling is in process. This setting can be adjusted at any time. The system will continue to recycle the records to free up space according to the settings you make here.

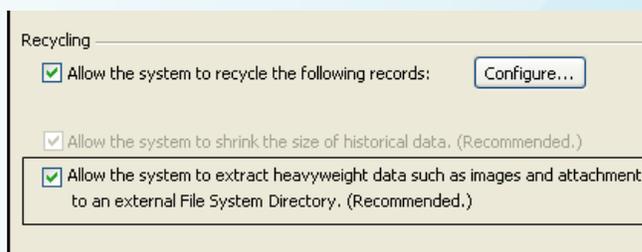
2. Extract Heavyweight Data

Magaya software version 8.5 has changed the way it saves images and attachments. It now extracts photos and saves them outside the database to improve database performance. These extracted files are called "Blob" files (or unstructured data).

If you have a large number of photos or files attached to transactions, you will see a difference in the speed of your system after this process.

Go to the "Maintenance & Performance" Configuration screen:

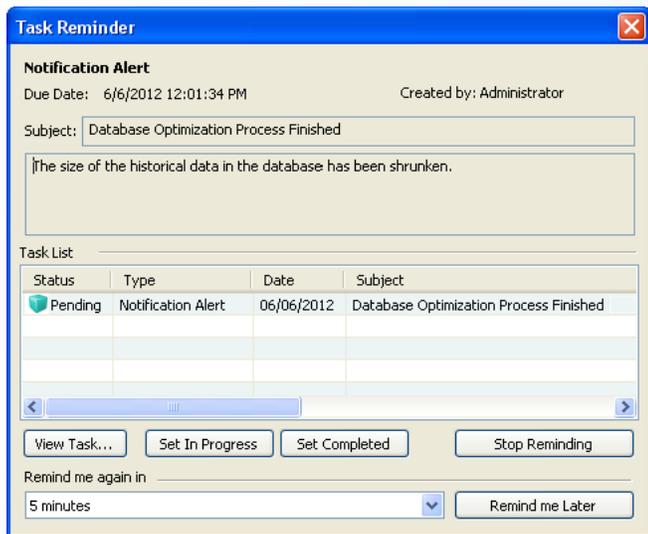
1. Check the box: "Allow the system to extract heavyweight data..." Click "Save".



You can continue working while this is in process, but your system may be slow. The amount of time this takes depends on

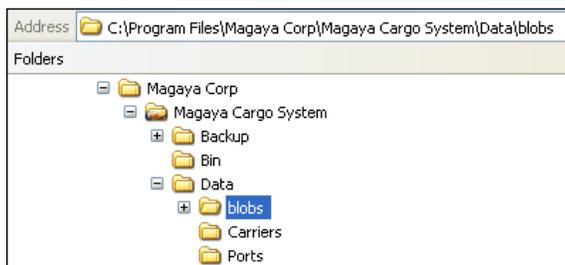
how much data you have in your system.

2. When this is complete, the system creates a Task to notify you that the system is done extracting photographs and large files currently in your database. Click "Set Completed" in the Task Reminder dialog box.



Now your system will continue to extract all photographs that you add to transactions such as Warehouse Receipts in the future.

The 8.5 version of Magaya software saves these extracted files in a folder called "Blobs" (inside the "Data" folder). Here is an example of where to find the Blobs folder. Your location may differ. You will need to copy these files separately; they are not copied



during the backup process. When you backup your system, just copy this folder to another location. Additional details are available in the *Magaya Software Customization Manual*, Chapter 8 "Magaya Database Administration".

3. Shrink Historical Data

Another way to improve your database performance is to shrink all historical, legacy data in the database. Follow these steps:

1. In the "Maintenance & Performance" configuration menu,

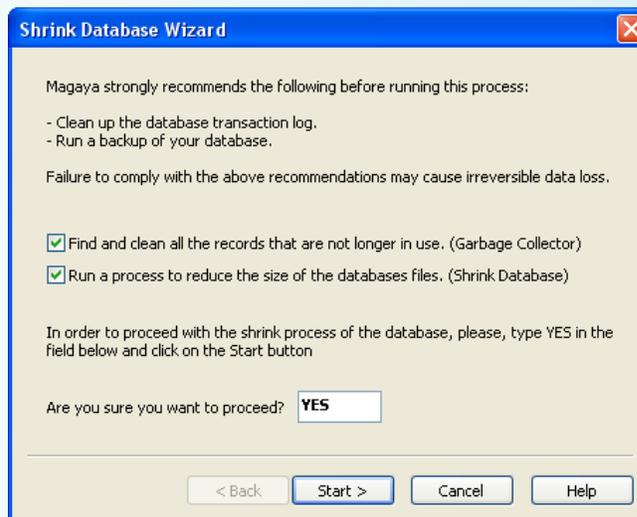
check the box "Allow the system to shrink the size of historical data."

2. Save.
3. When this is complete, the system creates a Task to notify you that the system is done.

4. Shrink the Database

The last step we recommend is to shrink the database itself:

1. Make sure all users are logged off.
2. Stop the Magaya Communication Server.
3. Make a backup of your Magaya database.
4. Stop the Magaya Database.
5. Open the Magaya Database Server Agent dialog box from the taskbar.
6. Click "Tools" and select "Shrink Database".
7. Make sure the two checkboxes are checked:
 - Find and clean all the records that are no longer in use. (Garbage Collector)
 - Run a process to reduce the size of the database files. (Shrink Database)



8. Type "Yes" in the box to proceed.
9. When the process is completed, a dialog box tells you the size of the database.
10. Start the Magaya Database.
11. Start the Magaya Communication server.

The system is now optimized to process and save data more efficiently in the future. You will not need to perform this task again. Your Magaya software is ready to use, with all the new features in version 8.5. See Magaya.com for features and tutorials. ■