

My Inventory



What's new in version 1.9

(c) Thomas Koslowsky

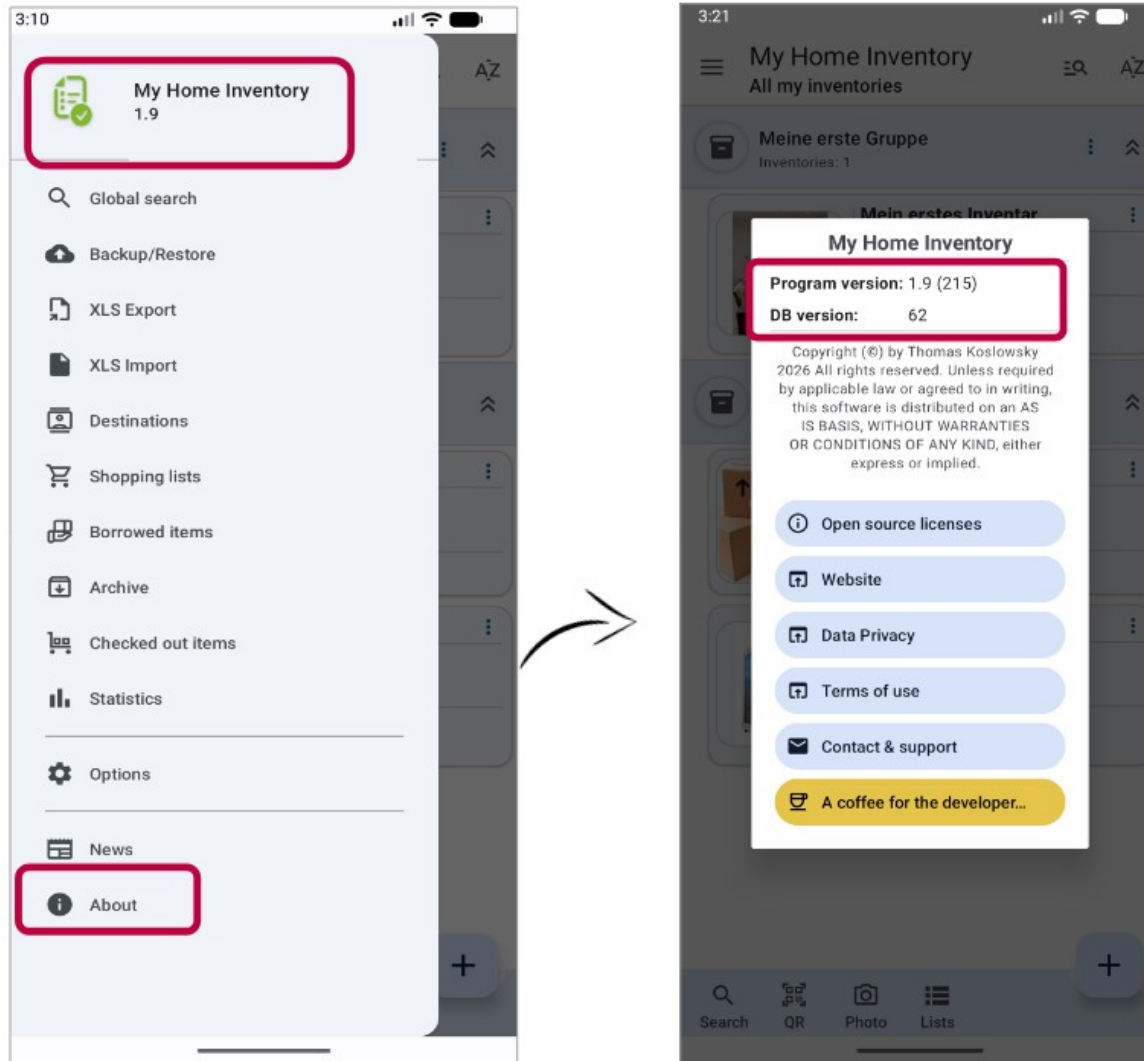
Internet: www.thomaskoslowsky.com

Mail: thomas@thomaskoslowsky.com

Application website: www.miinventariopersonal.com

1 Introduction

This document includes what's new in version 1.9. You can check the version you have installed directly in the application, through the “main menu” -> “About”.



2 What's new in this version

This chapter describes the added or improved functionalities in more detail:

Content of this chapter

2.1 Limiting image file size.....	4
2.2 Synchronizing data between different devices.....	5
2.2.1 Initial configuration.....	6
2.2.2 Realize a synchronizations.....	7
2.2.3 Limitations.....	8
2.3 Other improvements and corrections (bug-fixes).....	9

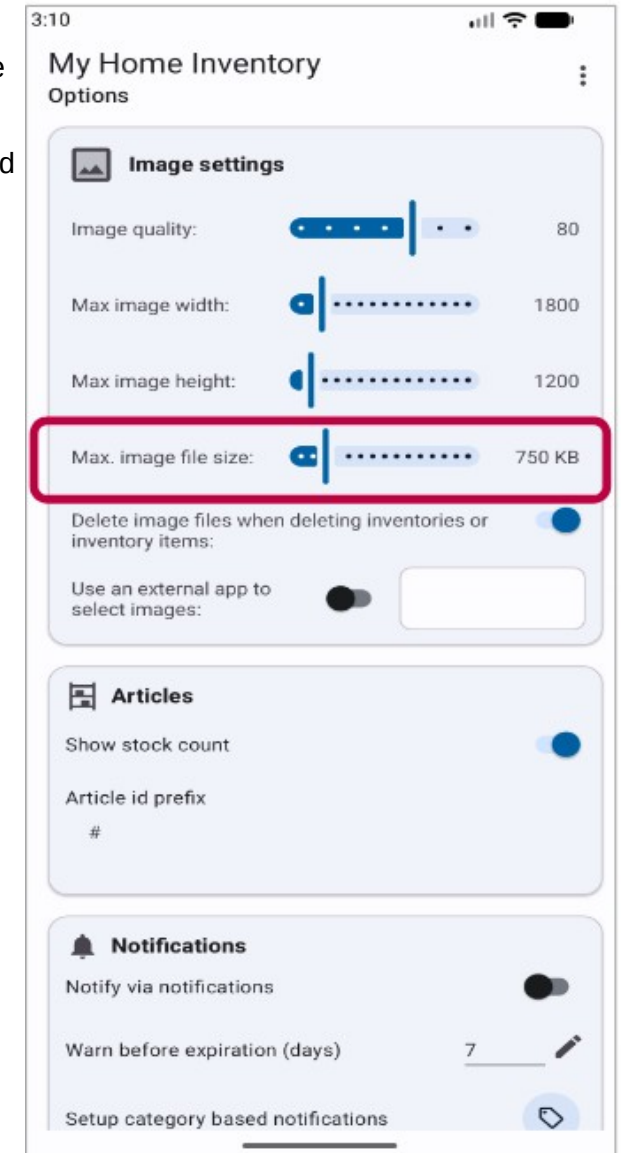
2.1 Limiting image file size

You can limit the maximum file size for added image files. This is especially useful with high-resolution cameras to save storage space and reduce data volume during backup, restoration, and synchronization.

To activate this feature, use the slider in the app options to set the maximum file size allowed for an image file.

When saving an image, the app will then automatically and gradually reduce both the image resolution and quality until the set maximum file size is reached.

Please note that this adjustment may reduce the image quality accordingly.



2.2 Synchronizing data between different devices

This feature allows you to synchronize your data between multiple devices via a WebDAV server of your choice. Please note that this is not an online or real-time synchronization. Changes are not transferred automatically and must be initiated manually by the user.

During synchronization, the database is first downloaded from the WebDAV storage to the device. The local data is then merged with the downloaded data. After this synchronization, the updated database is saved back to the WebDAV server. For technical reasons, only one device can synchronize at a time. Simultaneous synchronization of multiple devices should be avoided to prevent conflicts.

One advantage of this synchronization method is that no special server sync account or additional service is required. You can use any WebDAV server that meets your needs.

A potential disadvantage is the increased data volume, as the entire database is transferred with each synchronization. This should be taken into account, especially when using mobile data connections, to avoid unexpected data consumption.

Data synchronization occurs at the record level, not the field level. This means that if, for example, the description of an item is changed on device A and later the name of the same item is changed on device B, the synchronization will not recognize these changes as separate modifications. Instead, the principle of "last change wins" applies. The most recently synchronized version overwrites the entire record on the other devices. In this example, the change made on device B would completely replace the record on device A, potentially resulting in the loss of the previously changed description on device A.

Therefore, it is recommended to perform synchronizations regularly and, if possible, to avoid making changes simultaneously on multiple devices.

2.2.1 Initial configuration

To synchronize a database between multiple devices, please proceed as follows:

1. Set up WebDAV access

On all devices to be synchronized, configure the backup settings to access the same WebDAV server and the same WebDAV folder.

2. Create a backup from the master device

Next, create a WebDAV backup on the main device (master device) in the previously configured WebDAV folder. This backup serves as the starting point for all other devices.

3. Restore the backup on other devices

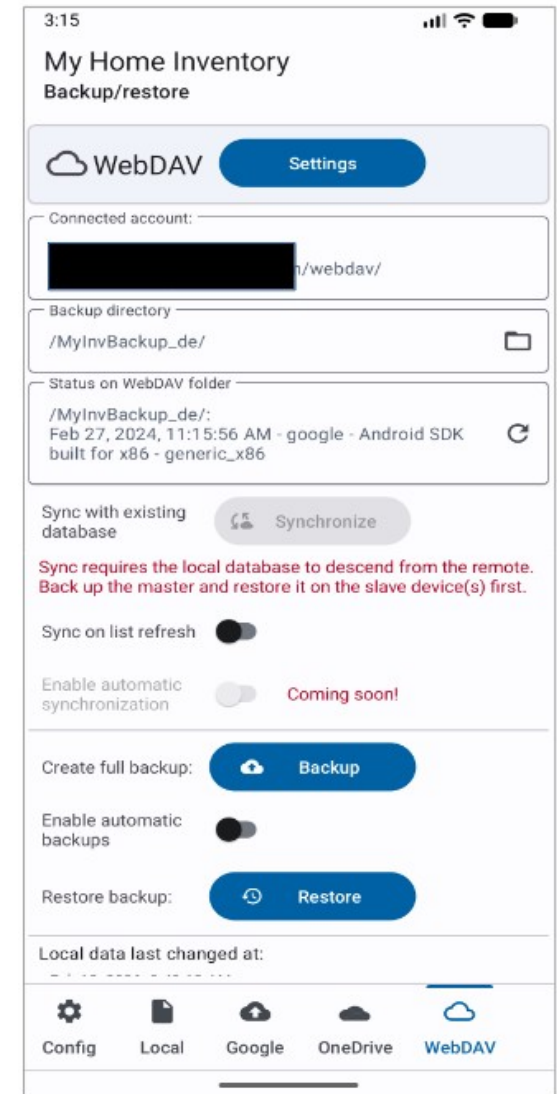
On each additional device that is to be synchronized with this database, restore this backup from the WebDAV folder.

Note: This may overwrite existing data on these devices.

4. Use synchronization

Once all devices are set up with the same source database, you can use the synchronization function on these devices.

It is recommended to perform an initial synchronization after setup to ensure that all devices are correctly connected.



2.2.2 Realize a synchronizations

Once all devices are configured, you can start synchronization from any device at any time. This can be done in two ways:

1. Via the WebDAV backup settings

Open the WebDAV backup settings and tap the "Synchronize" button.

The synchronization will then start, and the progress will be displayed.

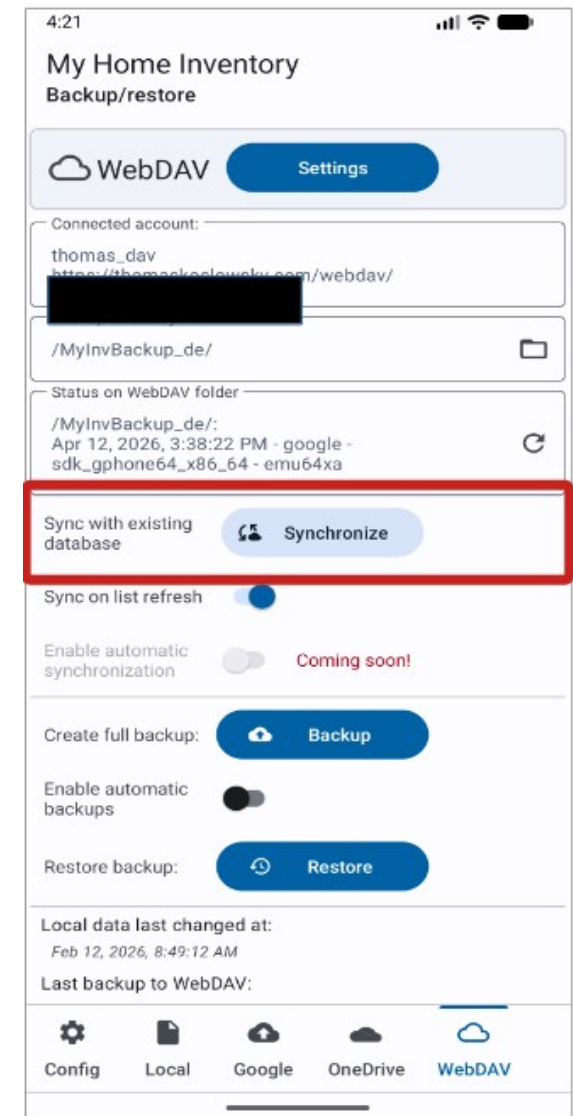
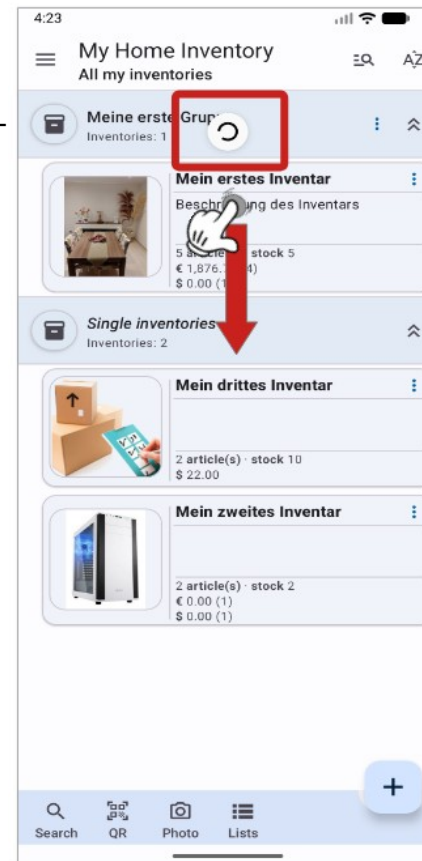
2. Via the inventory main view or item list view

If a WebDAV account is configured, you can also start synchronization directly from the inventory main view or the item list view.

To do this, pull down the respective list until the refresh icon appears ("pull-to-refresh").

As soon as you release the button, the synchronization will start. The progress will then be displayed directly in the respective view.

This method allows you to quickly synchronize the data without having to open the settings.



2.2.3 Limitations

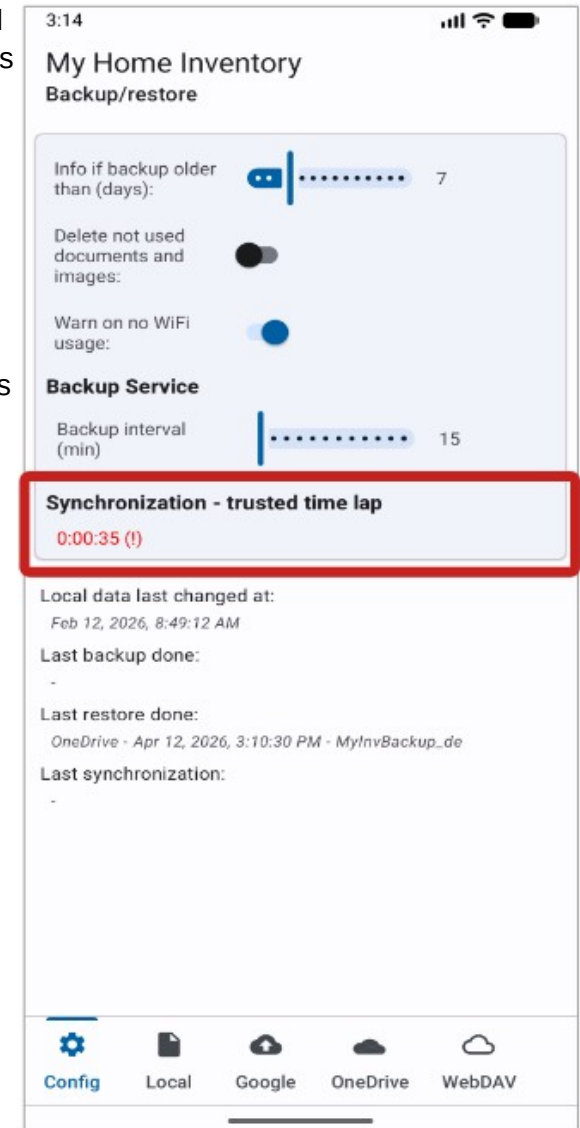
This non-server-based synchronization is designed for use cases where only a few devices need to be synchronized and simultaneous changes to the same data set should be avoided as much as possible.

Since no central server controls the synchronization, the timestamps of all registered data changes are based on the respective device's time. To improve accuracy, a Trusted Time service is also used, and the timestamps are normalized to UTC. Nevertheless, discrepancies can occur in certain situations, for example, if the time provided by the Trusted Time service does not exactly match the device's time or is temporarily unavailable.

The backup overview page displays the current difference between the device's time and the Trusted Time service. This information helps you identify potential time discrepancies that could affect synchronization.

Please also note the resulting data volume and the duration of the synchronization, especially with very large datasets. Depending on the size of the data, the synchronization process may take longer.

Only one device can synchronize at a time. If another synchronization process is started while a current one is running, you will receive a corresponding error message. In this case, please wait until the current process is complete and then restart the synchronization.



2.3 Other improvements and corrections (bug-fixes)

This version includes the following improvements/fixes:

N.° of issue	Description of the improvement/fix issue
#656	WebDAV backups – Improved connection stability