Barcode Buddy Documentation

Release 1.5.0.0

Apr 14, 2020

Contents

Barcode Buddy for Grocy is an extension for Grocy, allowing to pass barcodes to Grocy. It supports barcodes for products and chores. If you own a physical barcode scanner, it can be integrated, so that all barcodes scanned are automatically pushed to BarcodeBuddy/Grocy.

CHAPTER 1

Why use Barcode Buddy and how does it work

Barcode Buddy makes using a barcode scanner a lot easier - ideally the barcode scanner is connected to a server / computer so it can send the barcodes to the program. Alternatively the barcodes can be manually added with the web UI. In contrast to Grocy, unknown barcodes are looked up with OpenFoodFacts.org first, in order to find out the product name / category. If found, Barcode Buddy checks if the user has stored any tags associated with the name: For example, if the name is “Chocolate bar”, it can automatically be set to the Grocy product “Chocolate”.

A known barcode will be processed, so it reduces / increases the inventory or manipulates the shopping list.

If the product could not be looked up, the user can select it manually.

Chores can also be executed with barcodes.

CHAPTER 2

Contents

2.1 Setup

There are two different ways to setup Barcode Buddy: Either a bare metal approach or docker

2.1.1 Docker

Requirements

- A host running docker

Installation

To download, run the following command, and replace YOURTAG with one from the list below:

```
docker pull f0rc3/barcodebuddy-docker:YOURTAG
```

Tag	Architecture	Version
latest	x86-64	stable
arm32v7-latest	armhf	stable
arm64v8-latest	arm64	stable
latest-dev	x86-64	unstable
arm32v7-latest-dev	armhf	unstable
arm64v8-latest-dev	arm64	unstable

Most of the time, you will need the *latest* tag. If you are running docker on a Raspberry Pi, you will need the *arm32v7-latest* tag.

Stable indicates, that you are using the latest release which should work without any bugs. *Unstable* is the latest developer version, which might include more features, but could also contain bugs.

If you don't want to download the prebuilt image, you can find the Dockerfile on the Github project page .

Starting the Container

To start the container, run the following command:

```
docker run -d -v bbconfig:/config -p 80:80 -p 443:443 f0rc3/barcodebuddy-
↪docker:YOURTAG
```

You can now open `http://DOCKER_HOST_IP/` to set up BarcodeBuddy. If you are already serving a webserver on your Docker host, you need to change the ports, eg.:

```
docker run -d -v bbconfig:/config -p 8080:80 -p 9443:443 f0rc3/barcodebuddy-
↪docker:latest
```

The following arguments can also be passed:

Argument	Value	Effect
ATTACH_BARCODESCANNER	true/false	Attach barcode scanner
IGNORE_SSL_CA	true/false	Accept self-signed SSL certificates
IGNORE_SSL_HOST	true/false	Accept SSL certificates where the host does not match

For more information on how to attach a barcode scanner, see Using a physical barcode scanner

To pass an argument, use the -e function, eg:

```
docker run -d -v bbconfig:/config -e ATTACH_BARCODESCANNER=true -p 80:80 -p 443:443␣
↪f0rc3/barcodebuddy-docker:latest
```

2.1.2 Bare Metal

Requirements

- webserver (eg. NGINX, Apache)
- curl
- Access to the command line
- PHP (PHP5 min, however PHP7+ highly recommended)
- The following PHP modules:
  - curl
  - date
  - json
  - sqlite3
  - sockets
- When using a barcode scanner:
  - Root access!
  - sudo

  - screen
  - evtest

Installation

Stable indicates, that you are using the latest release which should work without any bugs. *Unstable* is the latest developer version, which might include more features, but could also contain bugs.

It is strongly recommended to change `pm.max_children` to a value of 10 or higher in `/etc/php7/php-fpm.d/www.conf` (path might be different, depending on PHP version and distribution; for Ubuntu 18.04 it is `/etc/php/7.2/fpm/pool.d/www.conf`).

Webserver setup

This guide is written for a Debian based server, including Ubuntu. If you already have a webserver setup, please make sure to have a look at the Nginx example file, as for the folder /api/ a rewrite rule has to be added.

Installing NGINX

- Get root, ideally with `sudo -i`
- Install nginx: `apt-get install nginx`
- If you are running a server with ufw active, run `ufw allow 'Nginx Full'`
- Install all php modules and other requirements `apt-get install php-fpm php-curl php-date php-json php-sqlite sudo screen evtest`
- Check what PHP version you are using with `php --version` (eg. “7.2”).
- Copy the Nginx example file to `/etc/nginx/sites-enabled/`
- Adjust the new file:
  - If you are not using PHP7.2, change the line `fastcgi_pass unix:/var/run/php/php7.2-fpm.sock;` to your PHP version
  - If you are not installing Barcode Buddy to /var/www/html/barcodebuddy/, change the line `root /var/www/html/barcodebuddy/;` to your directory
- Follow the steps below to download either the stable or unstable version
- Execute the command `chown www-data:www-data -R /path/to/the/barcodebuddy/folder` for the folder that you just created
- Change `pm.max_children` to a value of 10 in `/etc/php/7.2/fpm/pool.d/www.conf` (adjust path for your PHP version)
- Restart NGINX `service nginx restart`

Configuring Apache2

We recommend using Nginx. If you are already an Apache2 user, follow these steps to make sure that Barcode Buddy is working correctly:

- Execute `a2enmod rewrite` to make sure that the rewrite module is active

- Make sure that you can use .htaccess files for rewriting. For that the option `AllowOverride` for the directory must be set to `All`. You can normally find this configuration in the `apache2.conf` file. For Ubuntu this file is located at `/etc/apache2/apache2.conf`. Search for `AllowOverride` and set it to `All` for the root directory where Barcode Buddy is installed.

Example:

```
[...]
<Directory /var/www/>
       Options Indexes FollowSymLinks
       AllowOverride All
       Require all granted
</Directory>
[...]
```

Stable version

Download the project and copy all files into your webserver.

Unstable version

Execute

```
git clone https://github.com/Forceu/barcodebuddy.git .
```

in the folder where you want to install Barcode Buddy to.

Starting the websocket service

If you have access to your webservers command line, make sure to start the websocket server. This way you can use the Screen module and if there are any changes, Barcode Buddy will automatically refresh.

Navigate to your installation folder and execute `php wsserver.php` to start the server. To have it run in the background, either use the screen application (recommended)

```
screen -S bbuddyserver -d -m /usr/bin/php /path/to/the/barcodebuddy/folder/wsserver.
↪php
```

or the following command:

```
nohup php wsserver.php &
```

To start the websocket server after a reboot, you can use cron. Make sure to use the crontab for the webserver user (on Debian/Ubuntu this the user `www-data`.

Open the crontab for the user:

```
sudo crontab -e -u www-data
```

And insert the following new line (you might need to adjust the paths):

```
@reboot /usr/bin/screen -S wsserver -d -m /usr/bin/php /var/www/html/barcodebuddy/
↪wsserver.php
```

2.1.3 VirtualBox

We have also released a VirtualBox image, which automatically downloads the latest docker image and runs it.

Installation

Open VirtualBox, and go to `File/Host Network Manager`. If there is no network listed yet, click on "Create" and make sure that the box for `DHCP Server` is ticked. Download the image and open it with VirtualBox, then click on "Import" in the new window.

Start the image - once it is completely running, you will see a login prompt. Above that, you will see two IP addresses. Normally with the second one you can reach the server, so simply connect in your webbrowser to `http://THE_IP/`.

If you need to log in to the image, the default username is `root` and the default password is `barcode`. For security reasons, SSH is disabled, to enable it, execute `rc-update add sshd` (make sure to change your password and to add a non-root user!)

2.1.4 Hass.IO

Connecting to Grocy

If you are running Grocy in a HASS.io container, further configuration is needed. Open HASS and go to the Grocy plugin section (not Grocy itself). Scroll down and enter `9192` in the `Network` section and press save. Make sure that you disable SSL in the Grocy config section above, if you are not using a proper certificate. Then restart Grocy. You will now be able to access Grocy under the URL `http://hassio.local:9192`. In Barcode Buddy setup, enter `http://hassio.local:9192/api/` as URL.

2.2 Usage

2.2.1 First Start

Open your Grocy website. Click on Settings in the top right corner and then click on *Manage API keys*. Click on *add* and copy the long API key to your clipboard. You can now open Barcode Buddy by visiting your webservers URL. The setup will first let you create a user and then ask you to enter the API details. Make sure to have the trailing "/api/" for your Grocy URL at the end.

2.2.2 Using The Web UI

Overview

When you open the web ui, you will see three cards:

- New Barcodes: Barcodes that are unknown to Grocy, but the name could be looked up
- Unknown Barcodes: Barcodes that are unknown to Grocy and could not be looked up
- Processed Barcodes: A history of all barcodes that were processed by Barcode Buddy

If you have entered a barcode that is linked to a Grocy product with the tare feature enabled, a fourth section will popup named "Actions required", where you can enter the weight for the product.

Special Barcodes

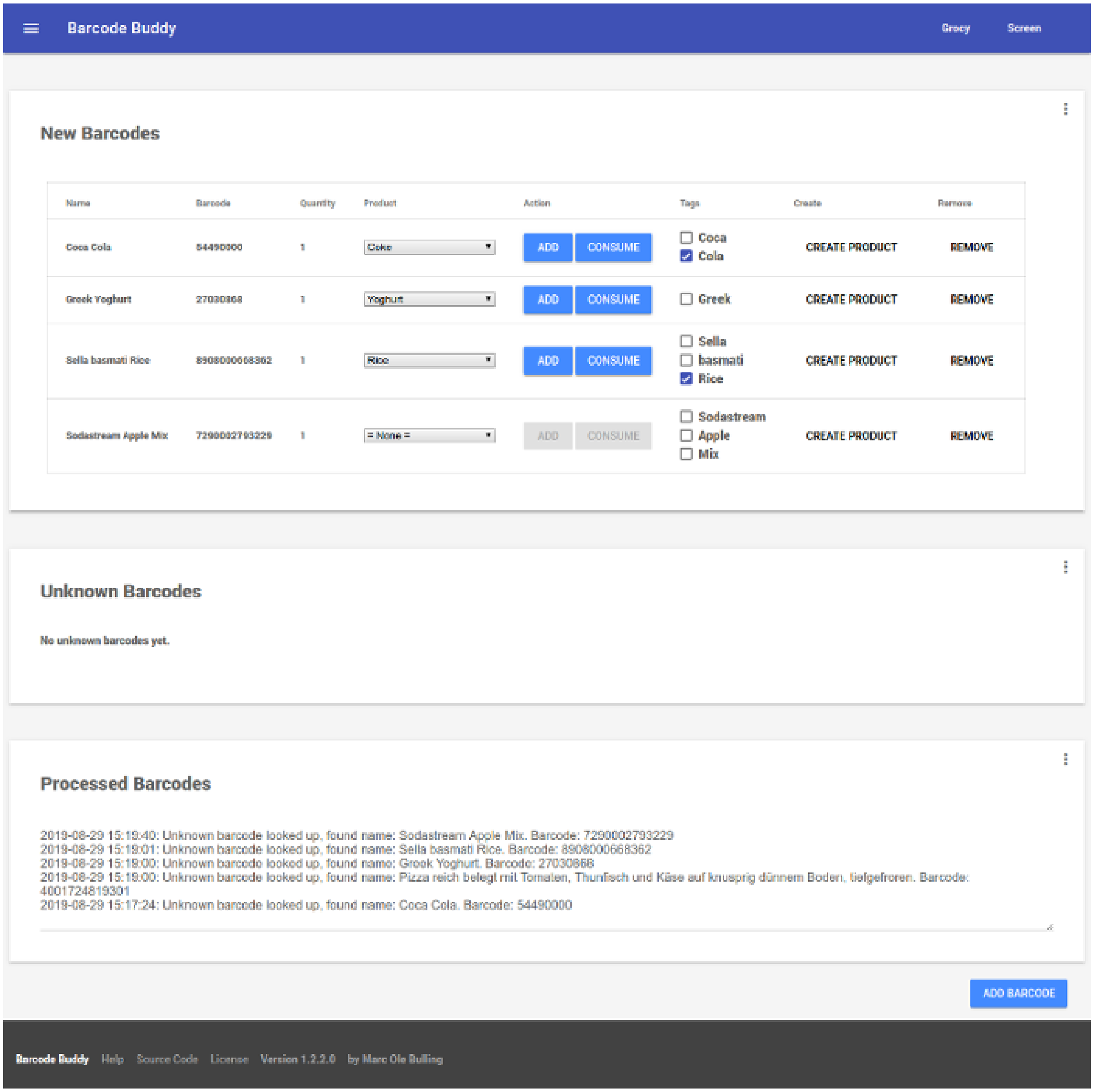
There are seven special barcodes - if you scan the barcode, Barcode Buddy goes into a different mode: Eg. in Purchase mode all barcodes that are scanned will be added to Grocys inventory.

Mode	Default Barcode	Explanation
Consume	BBUDDY-C	All items scanned in this mode will be removed from the inventory
Consume (spoiled)	BBUDDY-CS	All items scanned in this mode will be removed from the inventory and marked as spoiled
Purchase	BBUDDY-P	All items scanned in this mode will be added to the inventory
Open	BBUDDY-O	All items scanned in this mode will be marked as opened
Inventory	BBUDDY-I	Displays the current amount of items in stock of that product
Add to shoppinglist	BBUDDY-AS	All items scanned in this mode will be added to the default shopping list
Quantity	BBUDDY-Q-?	Sets a quantity for a barcode. Replace ? with number of items. Eg. if you have a carton with 10 eggs, scan the barcode BBUDDY-Q-10 and then the barcode of the carton. The next time you scan the carton barcode, it will register as 10 units.

You can find printable copies of the barcodes in the example folder .

Using the UI

Once a barcode was added and is not recognised by Grocy, it will be added to the list in the web ui. Simply select the Grocy product from the drop-down list. If the name could be looked up, you will also see checkboxes for each word that was used in the name. If you want the selected Grocy product preselected for a different barcode that includes such a word, tick it and then press either “Consume” or “Add”. The barcode will then saved to Grocy and the next time you scan it, the product will automatically be processed.



New Barcodes

Name	Barcode	Quantity	Product	Action	Tags	Create	Remove
Coca Cola	54490000	1	Coke	ADD CONSUME	□ Coca ☑ Cola	CREATE PRODUCT	REMOVE
Greek Yoghurt	27030868	1	Yoghurt	ADD CONSUME	□ Greek	CREATE PRODUCT	REMOVE
Sella basmati Rice	8908000668362	1	Rice	ADD CONSUME	□ Sella □ basmati ☑ Rice	CREATE PRODUCT	REMOVE
Sodastream Apple Mix	7290002793229	1	= None =	ADD CONSUME	□ Sodastream □ Apple □ Mix	CREATE PRODUCT	REMOVE

Unknown Barcodes

No unknown barcodes yet.

Processed Barcodes

```
2019-08-29 15:19:40: Unknown barcode looked up, found name: Sodastream Apple Mix. Barcode: 7290002793229
2019-08-29 15:19:01: Unknown barcode looked up, found name: Sella basmati Rice. Barcode: 8908000668362
2019-08-29 15:19:00: Unknown barcode looked up, found name: Greek Yoghurt. Barcode: 27030868
2019-08-29 15:19:00: Unknown barcode looked up, found name: Pizza reich belegt mit Tomaten, Thunfisch und Käse auf knusprig dünnem Boden, tiefgefroren. Barcode:
4001724819301
2019-08-29 15:17:24: Unknown barcode looked up, found name: Coca Cola. Barcode: 54490000
```

2.2.3 Adding Barcodes

Adding Barcodes Manually

The easiest option, ideally for testing out Barcode Buddy: Simply open the web ui and click on “Add barcode”. Enter the barcode (use one line per barcode) and click on “Add”.

If you are using a barcode scanner, but don’t want to attach it to Barcode Buddy (yet), you can also plug it into the device that runs the webbrowser and use it to enter the barcodes in the textfield. Each line is parsed as a barcode.

Adding Barcodes Automatically

The preferred way. Most barcode scanners register as a USB keyboard. That way, it is possible to grab the input and send it to Barcode Buddy.

Using a physical barcode scanner

Plug in your barcode scanner to the linux computer / server you will be using. Run the command `evtest` as root. You will see a list of devices, select the one that is your barcode scanner and remember the number (eg. event6). Scan a barcode. You will now see output in the evtest program. If not, you have selected the wrong source.

Docker

Create a docker container with

```
docker run -v bbconfig:/config -e ATTACH_BARCODESCANNER=true -p 80:80 -p 443:443 --
↪device /dev/input/eventX f0rc3/barcodebuddy-docker:YOURTAG
```

where X in `--device /dev/input/eventX` is the number of your event you selected previously. You might need to change the values for the ports. Scan a barcode - it should be sent directly to Barcode Buddy.

Bare Metal

Navigate to the example folder in the Barcode Buddy directory. In the file `grabInput.sh` edit the following values:

- **If your barcode scanner is attached to the same computer / server:**
  - `SCRIPT_LOCATION`: Replace with the location where your index.php file is located
- **If the scanner is attached to a different computer / server:**
  - `SERVER_ADDRESS`: Replace with the URL where your index.php file can be accessed from
  - `USE_CURL`: Set to "true"
- **If the webserver does not run as user www-data (uncommon):**
  - `WWW_USER`: Set to the name of the user

Then run as root

```
bash grabInput.sh /dev/input/eventX
```

where X is the number of your event you selected previously. Scan a barcode - it should be sent directly to Barcode Buddy.

To run the script in the background, run

```
screen -S barcodegrabber -d -m /bin/bash /path/to/the/barcodebuddy/folder/example/
↪grabInput.sh /dev/input/eventX
```

Using Barcode Buddy app for Android

Download the app here: Google Play Store

Once installed, open Barcode Buddy and navigate to the menu `API`. There click on the three dots in the top right corner and select `Add mobile app`. Open your Barcode Buddy app and then scan the displayed QR code.

Using a 3rd party application / script

If you want to write your own script, there are two ways to send the barcodes to Barcode Buddy: either by calling `php index.php yourBarcode` or by calling the URL: `https://your.bbuddy.url/api/action/scan?apikey=myApiKey&add=123456`. Only one barcode can be given with each call. Replace myApiKey with an API key generated in the main menu. For more information about the API visit *API*.

Using a 3rd party mobile app

Although we have not released an app (yet), you can use the Android app QR & Barcode Scanner and point it to `/api/action/scan`. Make sure to add the paramter `apikey` with the correct API key.

2.2.4 Menus

Settings menu

General Settings

In this tab you can set the barcodes for changing Barcode Buddy modes. For example, if you scan the barcode "BBUDDY-P", Barcode Buddy will change to "Purchase" mode and add all following items to your Grocy inventory. By default it is in "Consume" mode. The edit field below allows you to set the time in minutes, which is required to pass in order to revert back to the default "Consume" mode. E.g. if "Purchase" mode is active and the field is set to 10 minutes, Barcode Buddy will revert back to "Consume" mode 10 minutes later.

If you scan the "Inventory" barcode, Barcode Buddy will simply output the current stock, but not change any values. If an unknown barcode is scanned, it is added to the regular list.

The "Add to shopping list" barcode adds all future barcodes to the default shopping list.

With the "Revert after single item scan in "Open" or "Spoiled" mode" checkbox ticked, Barcode Buddy only stays in this mode for one scan and then reverts back to the default "Consume" mode. It does not affect the "Purchase" mode however!

With "Remove purchased items from shoppinglist" enabled, items that are scanned in purchase mode are removed from all Grocy shopping lists.

When "more verbose logs" is disabled, only barcode scans are logged in the log part of the main page.

Grocy API

Here you can change your Grocy API details. Refer to *First Start*.

Websocket Status

This section gives the status of the websocket server and if Barcode Buddy is able to connect to it

Chores

This menu lists all available Grocy chores. Simply enter a barcode for a chore and press "Add". The next time you scan this barcode, the chore will be executed. To change the barcode, simply edit it and press "Edit". To remove, delete the barcode and press "Edit".

Tags

All saved tags are listed here

Adding tags

Scan a barcode that was not recognized by Grocy yet, but could be looked up. Before pressing "Add" or "Consume" in the main menu, select a word from the list to the right. The next time a barcode is looked up that contains the word, the product is preselected.

Managing tags

The list shows an overview of the tags. Click on "Delete" to remove the tag.

Quantities

This features is for products that come in packs containing more than one item.

In the settings you see the quantity barcode (default "BBUDDY-Q-"). If you scan a barcode that starts with this text and has a number at the end, Barcode Buddy sets the quantity of the units from the previously scanned barcode to the number. For example: You scan Barcode "123", which is a pack of 6 eggs. Then you scan the barcode "BBUDDY-Q-6". The next time you scan the barcode "123" in purchase mode, Barcode Buddy will automatically add 6 eggs.

API

In this menu you can create and revoke Barcode Buddy API keys. Refer to *API*

Admin

In this menu you can download a backup of your database file. To restore a backup, simply overwrite your current database file (default: `/data/barcodebuddy.db`.

It is also possible to logout, so that you need to enter your username and password again.

2.3 Updating Barcode Buddy

2.3.1 Docker

To update, run the following command:

```
docker pull f0rc3/barcodebuddy-docker:YOURTAG
```

Then stop the running container and follow the same steps as in SETUP. All userdata will be preserved, as it is saved to the bbuddy volume (-v command)

2.3.2 Bare Metal

Stable version

To update, download the latest release and unzip it to the directory that contains the old version. Overwrite any existing files.

Unstable version

To update, execute the command `git pull`

2.4 Advanced usage and configuration

2.4.1 Further configuration

config.php

Once you started Barcode Buddy for the first time, you will find the file `config.php` in the folder `data`. This file is for further configuration - the following values can be changed:

Argument	Value	Effect	Default
PORT_WEBSOCKET_SERVER	1024-65535	The port that the websocket server listens to. Change if you running multiple instances or the default port is already used by another application.	47631
DATABASE_PATH	A writable path	The path were the database file is written to. Make sure that the webserver does not allow the download of the file. Path includes filename.	./data/barcodebuddy.db
CURL_TIMEOUT_S	5-60	How long to wait for a request	20
CURL_ALLOW_INSECURE_SSL_CA	true/false	Accept self-signed SSL certificates	false
CURL_ALLOW_INSECURE_SSL_HOST	true/false	Accept SSL certificates where the host does not match	false
REQUIRE_API_KEY	true/false	Require API key for authentication when using API	true
DISABLE_AUTHENTICATION	true/false	Disables user management, if enabled, Barcode Buddy will not ask for local username/password	false
IS_DEBUG	true/false	Enable verbose error messages. If you think something is wrong, you can enable this and send a bugreport	false
OVERRIDDEN_USER_CONFIG	mapped array	To override settings that can be set in the UI, uncomment the specific line. Overridden values cannot be changed in the UI afterwards	empty

Note: `config.php` *is a copy of* `config-dist.php` *in the root directory, which is tracked by version control, but not included by php. Any changes in* `config-dist.php` *will be ignored by Barcode Buddy*

configProcessing.inc.php

If you need to change the paths of the `config.php` or the user database location, you can do this in the `configProcessing.inc.php` file, found in the `incl` folder. As editing the file might break updating Barcode Buddy, it is rather recommended to use *Environment variables* instead of editing this file. The following values can be changed:

Argument	Value	Effect	Default
CONFIG_PATH	A writable path	The path were the config.php file is written to. Path includes filename.	./data/config.php
AUTHDB_PATH	A writable path	The path were the user database file is written to. Make sure that the webserver does not allow the download of the file. Path includes filename.	./data/users.db

2.4.2 Environment variables

Environment variables can be passed to Barcode Buddy - that way you can configure it without editing any files.

All `const` declarations found in *config.php* can be passed as an environment variable, but must have the prefix `BBUDDY_`.

Example: To disable authentication, you need to set `DISABLE_AUTHENTICATION` to `true`. Therefore you need to pass the variable `BBUDDY_DISABLE_AUTHENTICATION` with the value `true` (see *Passing environment variables to Barcode Buddy*)

Note: `OVERRIDDEN_USER_CONFIG` is declared as an array in `config.php`. This is the only environment variable you need to pass as an array with the delimiter `;`.

Example: To set the Grocy API details you need to declare `GROCY_API_URL` and `GROCY_API_KEY`. As you can see in `config.php`, they are part of the `OVERRIDDEN_USER_CONFIG` declaration (basically all configurations that can be changed through the web ui are part of that). You therefore need to pass the environment variable `OVERRIDDEN_USER_CONFIG` with the value `GROCY_API_URL=https://myurl/api/; GROCY_API_KEY=1234`

Passing environment variables to Barcode Buddy

Docker

Pass the variable with the `-e` argument. Example for disabling authentication and setting curl timeout to 30:

```
docker run -d -v bbconfig:/config -e BBUDDY_DISABLE_AUTHENTICATION=true -e BBUDDY_
↪CURL_TIMEOUT_S=30 -p 80:80 f0rc3/barcodebuddy-docker:latest
```

Example for passing API details:

```
docker run -d -v bbconfig:/config -e BBUDDY_OVERRIDDEN_USER_CONFIG="GROCY_API_
↪URL=https://myurl/api/;GROCY_API_KEY=1234" -p 80:80 f0rc3/barcodebuddy-docker:latest
```

Bare Metal

You need to add the variable to your Nginx configuration that you created in *Webserver setup*. For each environment variable, add the following line in the `location ~ \.php$` block:

```
fastcgi_param BBUDDY_XXXXX 'value';
```

Example: Disabling authentication and setting curl timeout to 30:

```
[...]
location ~ \.php$ {
        fastcgi_param BBUDDY_DISABLE_AUTHENTICATION 'true';
        fastcgi_param BBUDDY_CURL_TIMEOUT_S '30';
        fastcgi_read_timeout 80;
        include fastcgi_params;
        include snippets/fastcgi-php.conf;
        fastcgi_pass unix:/var/run/php/php7.2-fpm.sock;
}
[...]
```

Example: Passing API details:

```
[...]
location ~ \.php$ {
        fastcgi_param BBUDDY_OVERRIDDEN_USER_CONFIG 'GROCY_API_URL=https://myurl/api/;
↪GROCY_API_KEY=1234';
        fastcgi_read_timeout 80;
        include fastcgi_params;
        include snippets/fastcgi-php.conf;
        fastcgi_pass unix:/var/run/php/php7.2-fpm.sock;
}
[...]
```

2.4.3 API

Barcode Buddy offers an API that can be reached at `http(s)://your.bbinstall.url/api`. By visiting the URL, you will get current the documentation website with an overview of all API functions.

Unless disabled, all API calls will need an API key as authentication. A key can be generated in the web UI in the menu “API”. The API key needs to be passed in the body or can be added as a GET variable. Example getting info with curl:

```
curl -X GET -H "BBUDDY_API_KEY: myApiKey" "https://your.bbuddy.url/api/system/info"
```

Manually getting the info by adding the GET variable:

```
https://your.bbuddy.url/api/system/info?apikey=myApiKey
```

All functions that require parameters *(except `/action/scan`)*, expect them as a form/post parameter. Example: Setting the current mode to STATE_PURCHASE(2):

```
curl -X POST -H "BBUDDY_API_KEY: [[apiKey]]" -F 'state=2' "https://your.bbuddy.url/
↪api/state/setmode"
```

As mentioned above, the `/action/scan` also looks for GET parameters, in addition to the regular form/post parameters. This is to make it easier for scripts / apps to pass barcodes to Barcode Buddy.

Instead of the POST parameter `barcode` you can also pass the GET parameter `add` or `text` instead. Example Passing the barcode 123456 by just requesting the URL:

```
https://your.bbuddy.url/api/action/scan?apikey=myApiKey&add=123456
```

2.4.4 Plugins

Barcode Buddy offers plugin support. All PHP scripts in the folder `plugins` are automatically loaded. See also the example script .

2.5 Contributions

All contributions are very welcome! If you have an issue or would like to add a pull request, please visit our Github pages:

https://github.com/Forceu/barcodebuddy

https://github.com/Forceu/barcodebuddy-docker

2.6 Changelog

2.6.1 Overview of all Changes

v1.5.0.0: 14 Apr 2020

- Added authentication, can be disabled through config.php
- Added support for Grocys tare feature
- Config.php now found in the data directory
- Added API (if you are adding barcodes with GET, you will need to use the API instead)
- Support for official Barcode Buddy App
- Fixed race conditions
- Show more detailed errors if they occur
- Barcode Buddy settings can be set through environment variables
- Barcode grabber bash variables can be set through environment variables Thanks. @Biont
- Add logs when adding/consuming new products through UI
- New theme for Screen module. Thanks @hanerd
- Python barcode grabber script for devices that disconnect frequently. Thanks @vondit
- Main ui refreshes through AJAX now without reloading
- Better support for iOS13
- Created robots.txt. Thanks @bbrenton09
- Added favicon
- Added admin menu for dowloading database backup

- Refactoring / Minor fixes

v1.4.1.1: 26 Mar 2020

- Fixed problems with SSE, in some cases it was stuck in a feedback loop, causing PHP-FPM to freeze
- Fixed bug that fullscreen setting was not acknowledged
- Added “text” GET variable (alias of “add”) so it can used with the Android App QR & Barcode Scanner
- Added option to ignore invalid SSL certificates (config.php)
- Added bash script for grabbing barcode scanner input
- Moved documentation to ReadTheDocs
- Detect if API key is rejected by Grocy
- Items that were added by clicking on “Add” in the UI were not removed from the shoppinglist
- Ignore case for sorting products
- Display errors in log view as well
- Set HTTP Agent to BarcodeBuddy
- Check if php-sockets is installed
- Added more docker options
- Minor UI changes

v1.4.0.0: 20 Mar 2020

- External websockets have been replaced with Server Sent Events. This means that you finally don’t need any complicated configuration anymore and that all the websocket features should work without setting anything up. You still need to start the websocket server however, as it is used for internal communication. (SEE is basically a proxy for the websockets)
- Docker image available at https://github.com/Forceu/barcodebuddy-docker

v1.3.2.0: 16 Mar 2020

- Moved database location to “/data/” folder. Existing database will be moved automatically, however you need to make sure that your webserver does not allow access to this directory!
- Added functionality to make running in docker easier
- Tags ignore whitespaces and special characters now
- Added a second variant that grabs barcode scanner input (see example/grabInput_variant2.py, thanks @ChadOhman)
- Refactoring of code

v1.3.1.1: 24 Oct 2019

- Fixed bug in which the state reverted to consume immediately
- If an unknown barcode was scanned, the barcode showed up as state in the screen module
- Refactored code.

v1.3.1.0: 14 Oct 2019

- Fixed issue #14 that disabled buttons when creating a new Grocy product
- The Screen module now shows the current state
- Added settings menu to test websocket connection
- Fixed some websocket bugs

v1.3.0.3: 28 Sep 2019

- Grocy 2.5.1+ now required
- Screen module now features button to enable sound and wakelock for mobile devices
- Screen module can now be set to open in fullscreen
- Add barcode to add items to the default shopping list

v1.3.0.1: 4 Sep 2019

- fixed several issues with Quantity management

v1.3.0.0: 29 Aug 2019

- Added feature to create new Grocy product
- Added feature to handle multipacks (eg. set quantity per barcode)

v1.2.2.0: 13 Aug 2019

- Added Inventory mode
- Modes can be changed with GET variables
- Setup checks if all required extensions are installed
- Bug fixes

v1.2.1.0: 7 Aug 2019

- Added option to remove purchased item from shopping list
- Many minor fixes, full support for PHP5 now
- Fixed crash from library when websockets were enabled, but server not started

v1.2.0.0: 1 Aug 2019

- Settings are now no longer saved in the config.php file. After upgrading you will be asked to re-enter your Grocy * API details. If previously active, you need to enable websockets again as well in Menu / Settings.
- Added Chore support - add a barcode for your chore in Menu / Chores.
- Default barcodes were changed, as underscores cannot reliably be output will all barcode scanners

v1.1.2.1: 29 Jul 2019

- Fixed problems that default barcodes were processed and then added to the "unknown barcodes" list
- Added Tag viewer
- Fixed problem were products were not selectable in v1.2.0

v1.0.1.1: 28 Jul 2019

- Added PHP5 support for websocket server
- Hotfix for a communication problem with the database, which stopped Barcode Buddy from working

v1.0.0.0: 25 Jul 2019

- First stable release of the program