

« Passport » is the new medAL-suite feature which

- allows to enroll tablets and hubs on their respective medAL-data,
- ensures secure routes from the field to the server,
- frees us from the hassle of the MAC address issue

Installing PASSPORT

!/\ PART 1 requires extensive knowledge of the medAL-data server setup. If you do not understand what you are doing, please ask for help.

PART 1: TECHNICAL DOC: medAL-data

(Intended audience: medAL-data manager (Ibu, Serge, Issa, Dominic, Anmol))

Deploy the master branch

```
git checkout master
git pull
git push dokku:master
```

Make sure you have the following lines on your .env file.

```
STUDY_ID="Name of the study"
CREATOR_ALGORITHM_URL="https://medalcreator.unisante.ch/api/v1/versions/"
CREATOR_HEALTH_FACILITY_URL="https://medalcreator.unisante.ch/api/v1/health_facilities/"
CREATOR_PATIENT_URL="https://medalcreator.unisante.ch/api/v1/versions/medal_data_config"
CREATOR_URL="https://medalcreator.unisante.ch"
```

- possible values for STUDY_ID below. Please copy yours in the .env file:
Dynamic Rwanda

Dynamic Tanzania
TIMCI Kenya
TIMCI India
TIMCI Senegal
TIMCI Tanzania

Make the following change to your config:

```
dokku config:set [name of app] CREATOR_ALGORITHM_URL="https://medalcreator.unisante.ch/api/v1/versions/" --no-restart &&  
dokku config:set [name of app] CREATOR_HEALTH_FACILITY_URL="https://medalcreator.unisante.ch/api/v1/health_facilities/" --  
no-restart &&  
dokku config:set [name of app] CREATOR_PATIENT_URL="https://medalcreator.unisante.ch/api/v1/versions/medal_data_config" --  
no-restart &&  
dokku config:set [name of app] CREATOR_URL=https://medalcreator.unisante.ch  
dokku config:set [name of app] STUDY_ID=" Name of the study"
```

Run migration inside the dokku container

```
dokku enter [app-name] web  
php artisan migrate  
php artisan config:cache  
php artisan medalc:retrieve_data
```

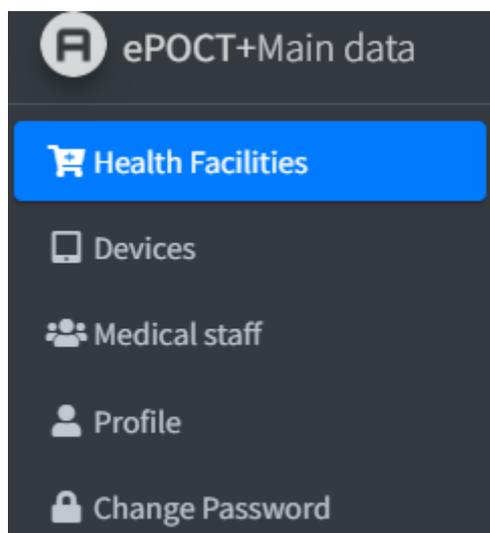
Expected output (of the last command)

```
Data successfully retrieved.
```

PART 2: FUNCTIONAL DOC: medAL-*data*

(Intended audience: deployment manager (Ibu, Peter, Serge, Valsyini, Dickens, Anmol?))

Once you have logged into medAL-*data* as a deployment manager, you will find two new menu items [Health Facilities] and [Devices]. You will need to manually assign the algorithm



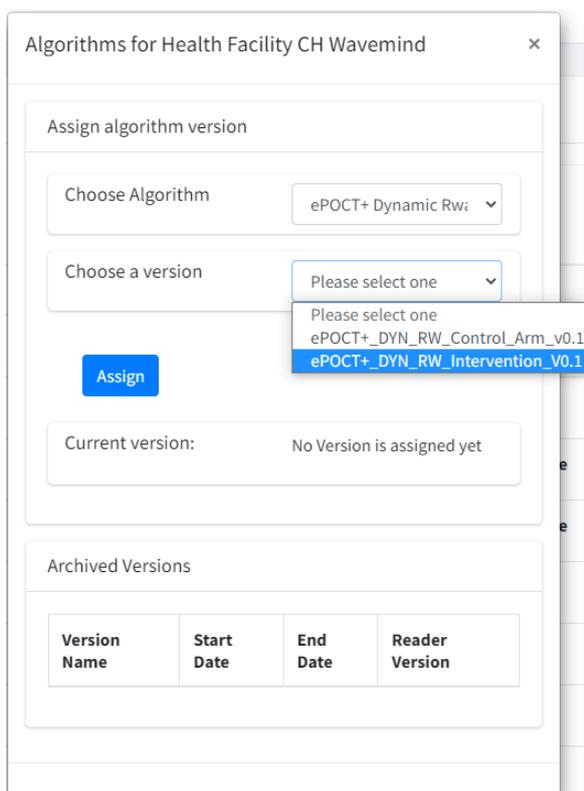
All the health facilities have been migrated from medAL-creator (and their IDs preserved), as well as the devices and staff. But you are still expected to associate the proper algorithm version for each health facility you setup.

Click on [Health Facilities], find the health facility that you want to set up and click on [Algorithms]

Actions



In the popup window, select the algorithm that you want to assign to the health facility, choose the proper version and click on [Assign].



Because it takes time to retrieve the algorithm, when you click on “Assign” it will launch a background job. You will have to wait a few minutes for it to complete. When it is done, it will appear under the “Current Version”.

Check that the other items [Edit], [Devices] and [Medical staff] have been correctly imported. Write down the id of the device(s) you want to use for the test.

Under Edit, if you are using a hub, make sure its IP is in this format : http://192.168.0.0

Devices

Create New Device

Name	Type	Auth ID	Health Facility	Last Seen	Actions
device	medAL-reader	434	CH Wavemind		View Edit Delete Tokens
device	medAL-reader	435	CH Wavemind		View Edit Delete Tokens
Galaxy Tab A (8.0", 2019)	medAL-reader	436	CH Wavemind		View Edit Delete Tokens
Wavemind	medAL-reader	437	CH Wavemind		View Edit Delete Tokens

Figure 1 - Find the device ID

We recommend that you rename the device (click on the [Edit] button) in order to identify it easily. For instance, use the IMEI or SN (or any identifier that can also be found physically on the device)

If you are pilot-testing a health facility in a standalone mode, follow these steps below. If you are pilot-testing a health facility in a client-server mode, go to the “medal-reader (client-server) section below.

Setup hub device in medAL-data

1. Login to medal-data, and go in the “Devices” tab (make sure that you are logged in using a user with sufficient permissions).
2. Look for a device called “<health-facility-name> Hub”.
3. If this device does not exist, create it:
 - a. Click on “Create a new device”.
 - b. Enter the following values:
 - i. Name: <health-facility-name> Hub
 - ii. Device type: medAL Hub
 - iii. Redirect URL: http://<hub-ip-address>/enroll/callback
 , where <health-facility-name> is the current health facility name, and <hub-ip-address> is the hub’s ip address.
4. If this device exists, update its content:
 - a. Click on “Edit”
 - b. Enter the following value:
 - i. Redirect URL: http://<hub-ip-address>/enroll/callback
 , where <hub-ip-address> is the hub’s ip address.

5. **Take note of the associated auth id**, this id will be useful in the next step.
6. Make sure that this device is assigned to the health facility:
 - a. Go in the “Health Facility” tab.
 - b. Look for the desired health facility.
 - c. Click on “Devices”, and look for the device you just updated.
 - d. If the device does not exist in the list of assigned devices, select the device and click “Assign”.

PART 3: SET UP *medAL-reader*

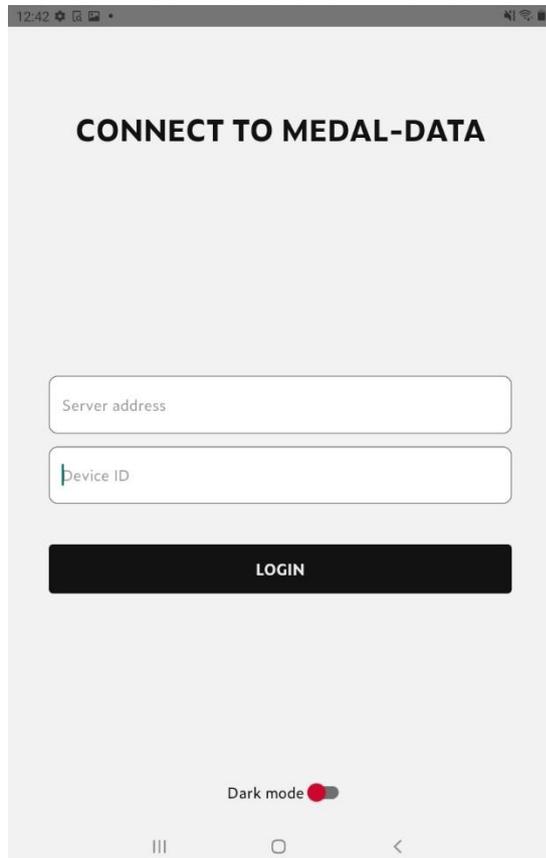
Standalone

Install the latest APK from the Playstore

Open *medAL-reader*

Connect to *medAL-data*

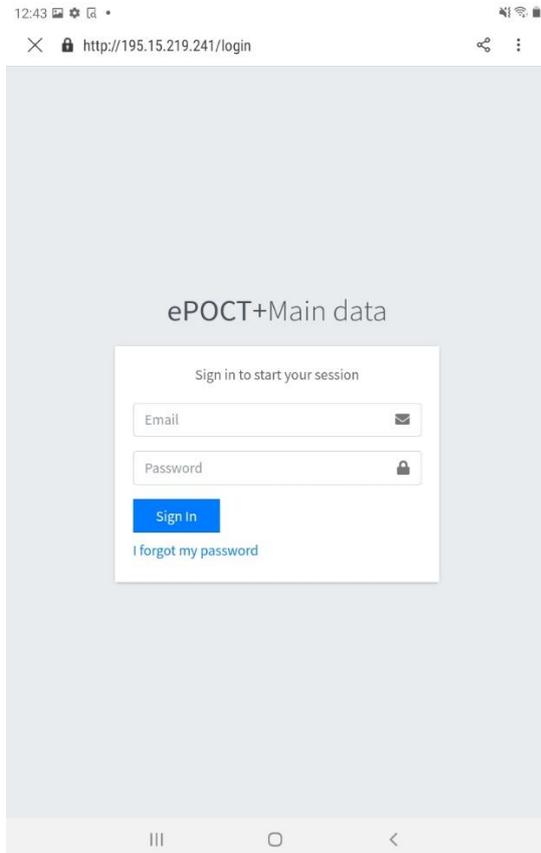
Enter the Server address of your *medAL-data* and the **Device ID** of the device that you have found in *medAL-data* and written down at the previous step.



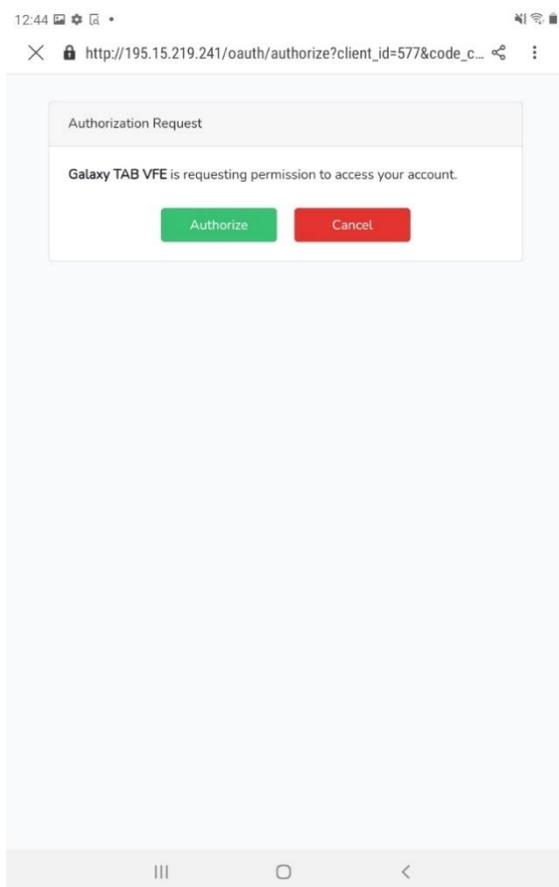
The screenshot shows the 'CONNECT TO MEDAL-DATA' screen of the medAL-reader app. It features two input fields: 'Server address' and 'Device ID'. Below these fields is a prominent black button labeled 'LOGIN'. At the bottom of the screen, there is a 'Dark mode' toggle switch, which is currently turned off. The Android navigation bar is visible at the very bottom.

Click on [LOGIN]

A new window opens on *medAL-reader* showing *medAL-data*, where you can login with your credentials.



A new window opens where you need to authorize your device to communicate with *medAL-data*.



Now your tablet is enrolled and will be able to send data in a secure way to medAL-*data*.

medAL-Reader (client-server)

Uninstall the current version of *medAL-reader*.

Install the latest version of the app from the store

Open *medAL-reader*

Connect to *medAL-data*

Enter the Server address of your *medAL-data* and the **Device ID** of the device that you can find in *medAL-data*.

Devices

Name	Type	Auth ID	Health Facility	Last Seen	Actions
device	medAL-reader	434	CH Wavemind		View Edit Delete Tokens
device	medAL-reader	435	CH Wavemind		View Edit Delete Tokens
Galaxy Tab A (8.0", 2019)	medAL-reader	436	CH Wavemind		View Edit Delete Tokens
Wavemind	medAL-reader	437	CH Wavemind		View Edit Delete Tokens

Click on [LOGIN]

A new window opens on *medAL-data* where you can login with your credentials.

A new window opens where you need to authorize your device to communicate with *medAL-data*.

Now your tab is enrolled and should be able to send data in a secure way to *medAL-data*.

PART 4 (technical): SET UP *medAL-hub*

Connect to *medAL-hub* in SSH

Deploy the branch "socialite"

```
cd liwi-local-data
git fetch
git checkout feature/socialite
git pull
php artisan migrate
```

Update the existing variable:

```
SYNC_URL="<medal-data-url>/api/v1/sync\_medical\_cases"
```

Add the following lines on `.env` file

```
SERVICES_MEDAL_DATA_REDIRECT=http://\[medAL-Hub IP\]/enroll/callback
SERVICES_MEDAL_DATA_CLIENT_ID=[Auth ID from medAL-Data]
```

Refresh config

```
php artisan config:clear
```

Visit the following URL to confirm that the hub is correctly set up.

[http://\[medAL-Hub IP\]/](#)

Visit the following URL to enroll the hub into *medAL-Data*

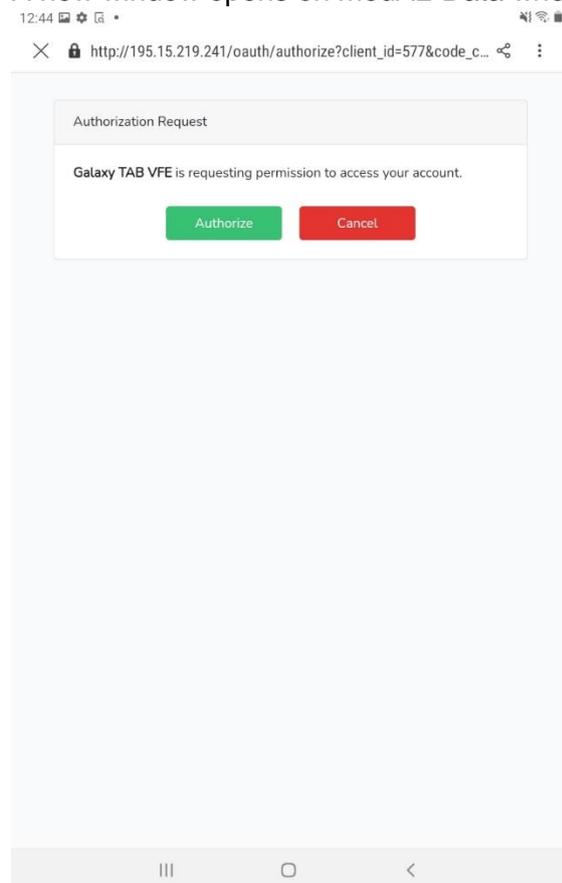
[http://\[medAL-Hub IP\]/enroll](#)

Enroll your device

Enroll

Click on [enroll]

A new window opens on medAL-Data where you can login with your credentials.



A new window opens where you need to authorize your device to communicate with medAL-data.

Enroll your device

Device is enrolled

Enroll

Now your medAL-hub is enrolled and should be able to send data in a secure way to medAL-Data.