Covcheck

Inhaltsverzeichnis

Introduction

The document describes how to install the **Covcheck** application server and configure a Galaxy Gate so that COVID certificates and tests presented at the gate can be validated through the server's REST API.

Installation of Covcheck Application Server

Prerequisites

- Ubuntu 22.04 with Internet access
- User with **sudo** permissions and availability of a user with ID 1000 (**cat /etc/passwd | grep 1000**)
- Archive **covid-installer.tar.gz** with the files listed in Installation Files

Installation Steps

- Connect with **ssh** to the Ubuntu server
- Copy **covid-installer.tar.gz** to the local directory
- Execute the following command:

```
tar xvf covid-installer.tar.gz && cd ./covid-installer
```

- Modify file **.env** and specify the database password (**POSTGRES_PASSWORD**) and, if necessary, host name (**ODOO_HOST_NAME**) and timezone (**TZ**):

```
POSTGRES_PASSWORD=gR7K6GT8MvQHpvLs
ODOO_HOST_NAME=covcheck.maxcr.de
TZ=Europe/Berlin
```

- If SSL certificates are provided for domain name **ODOO_HOST_NAME** put them into directory **/etc/nginx/certs**, e.g:

```
sudo mkdir -p /etc/nginx/certs
sudo tar xvf certs.tar.gz -C /
```

- If SSL certificates are not available, HTTP connection will be used and you need to modify file **docker-compose** accordingly:
  - Add this section to container **odoo**:

```
      ports:
     - 80:8069
```

  - Comment out or remove port 80 for container **nginx_proxy**:

```
      ports:
   #  - 80:80
      - 443:443
```

- Run the installer script:

```
script=install-covcheck.sh && chmod +x $script && ./$script -i
```

- The installation is finished successfully if you see this line in the shell:

```
### Installation finished successfully
```

You can make sure that the Covcheck is installed and running by executing the following command:

```
curl https://covcheck.maxcrc.de/covcheck/status
```

The reply must be a JSON like as follows:

```
{
   "status":"ok",
   "last_update":"2022-07-04 12:06:34"
}
```

#installation_files

Installation Files

.env
: environment variables

boot-covid-install.sh
: development script

covcheck.tar.gz
: archived covcheck and request_extension ODOO addons

covid-installer.tar.gz
: archive of other files from this list

docker-compose.yml
: docker compose file

install-covid.sh
: primary installation script

nginx-vhost
: template vhost file for nginx

odoo.conf
: configuration file for ODOO

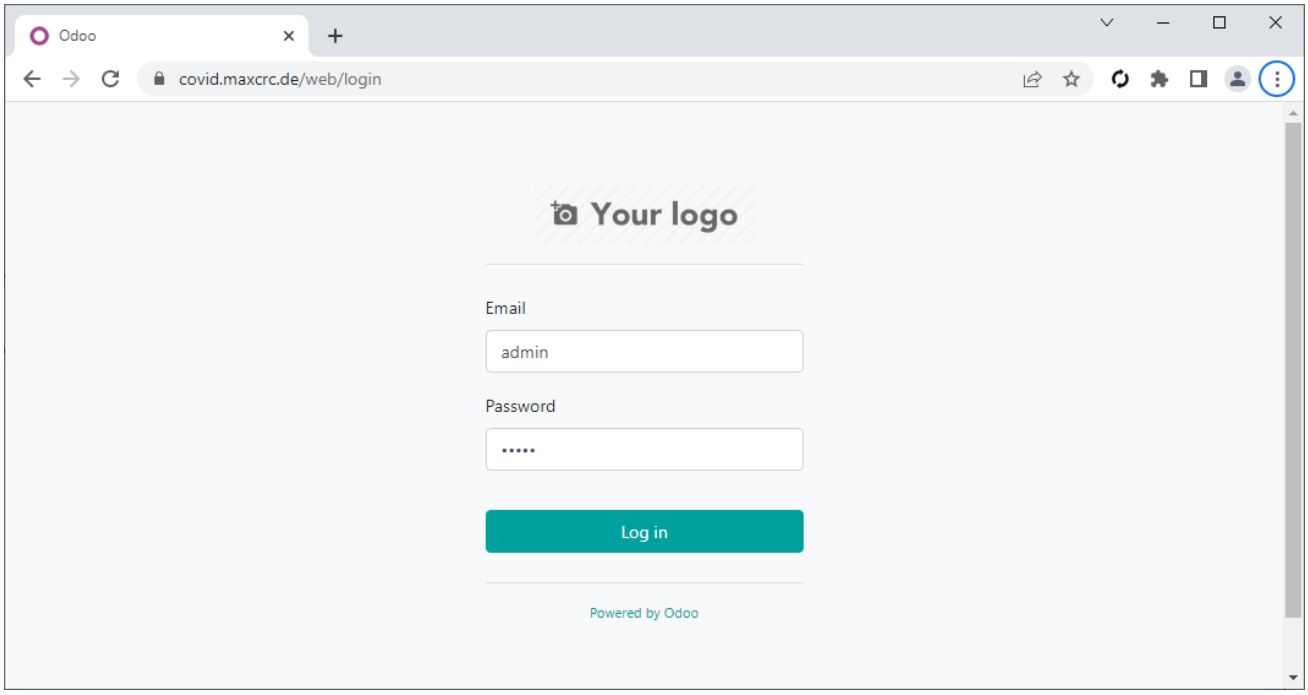
README.md
: this file

Configuration of Covcheck Application Server

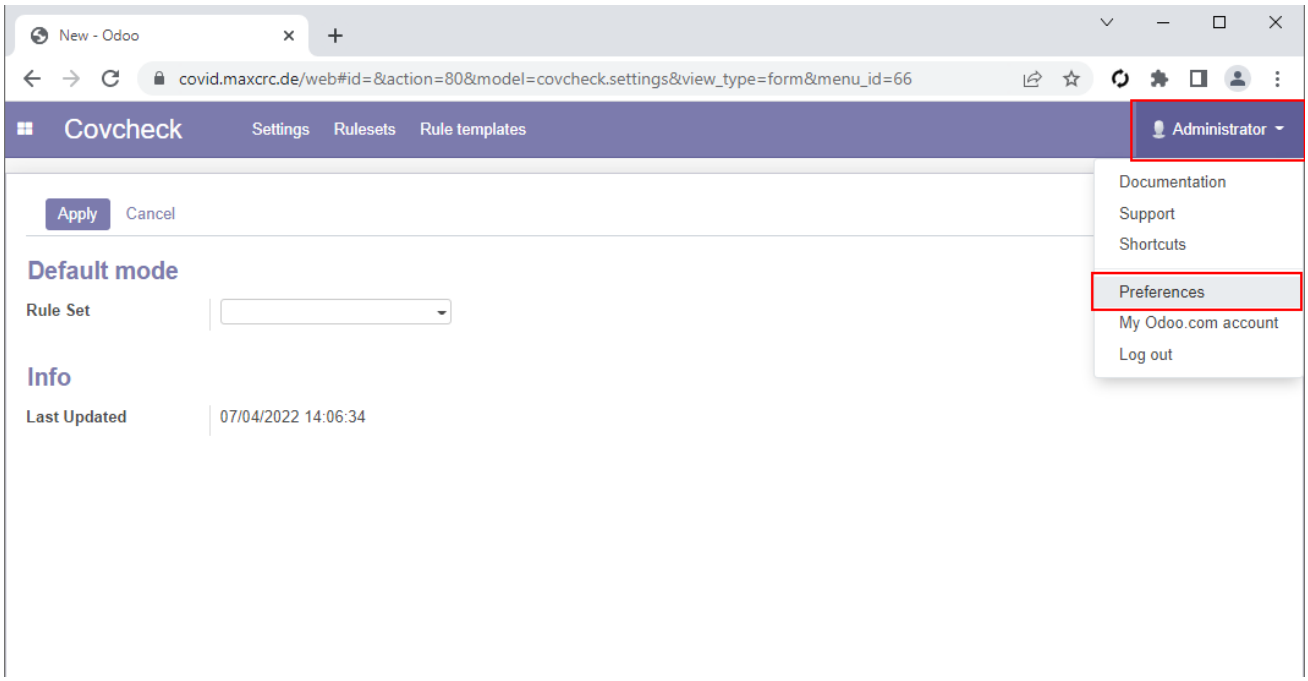
Change Default Password

Open the address of the server in a browser and loging using the following default credentials:

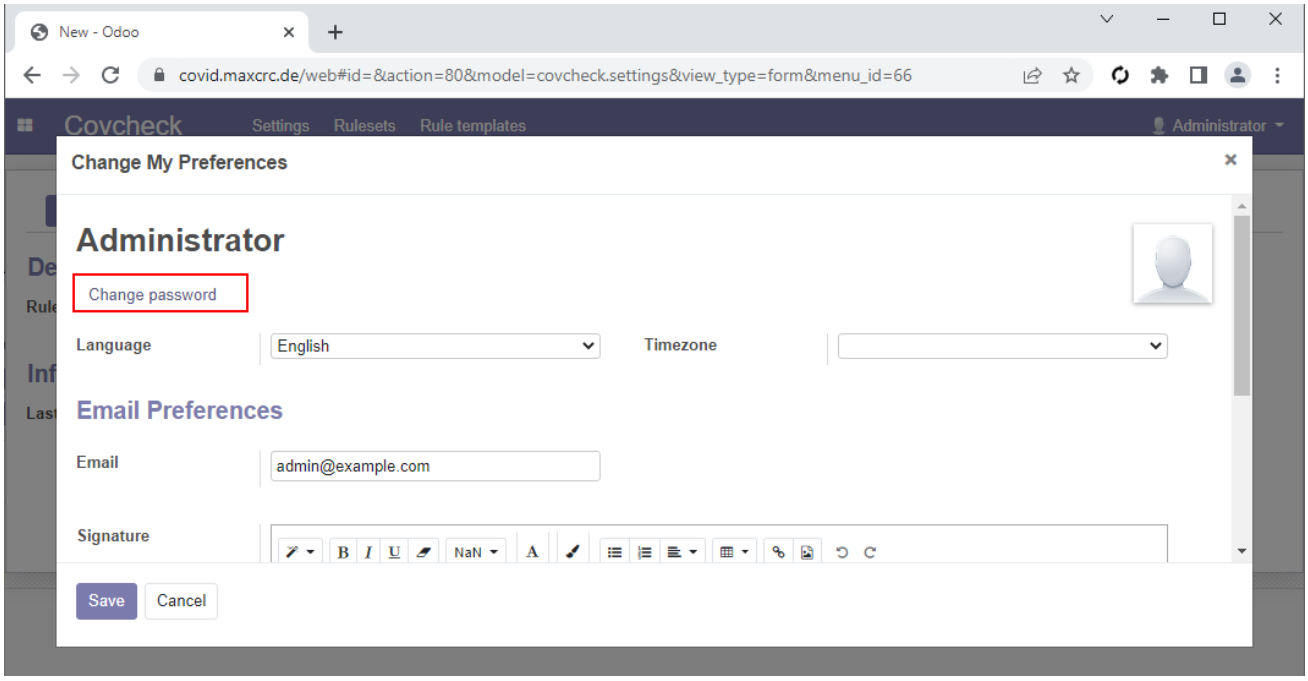
Username	Password
admin	admin



Click the **Administrator** in the top right corner and then **Preferences**:

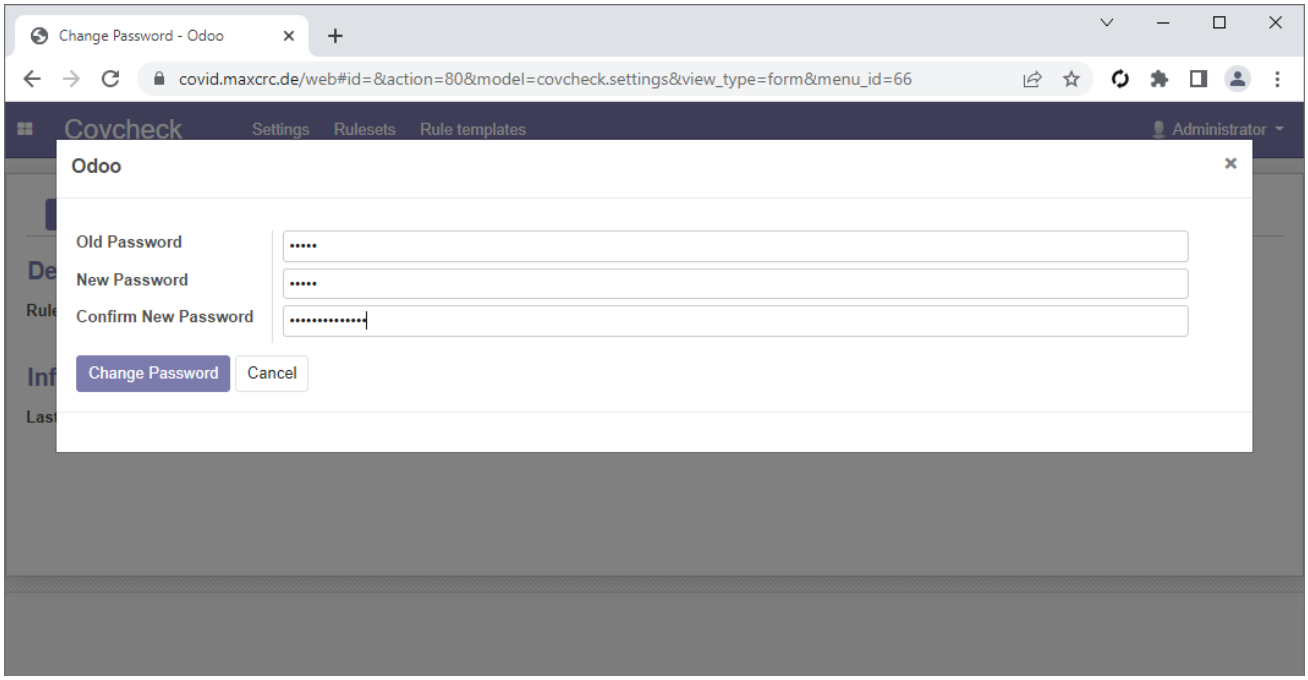


In the opened window click **Change password**:



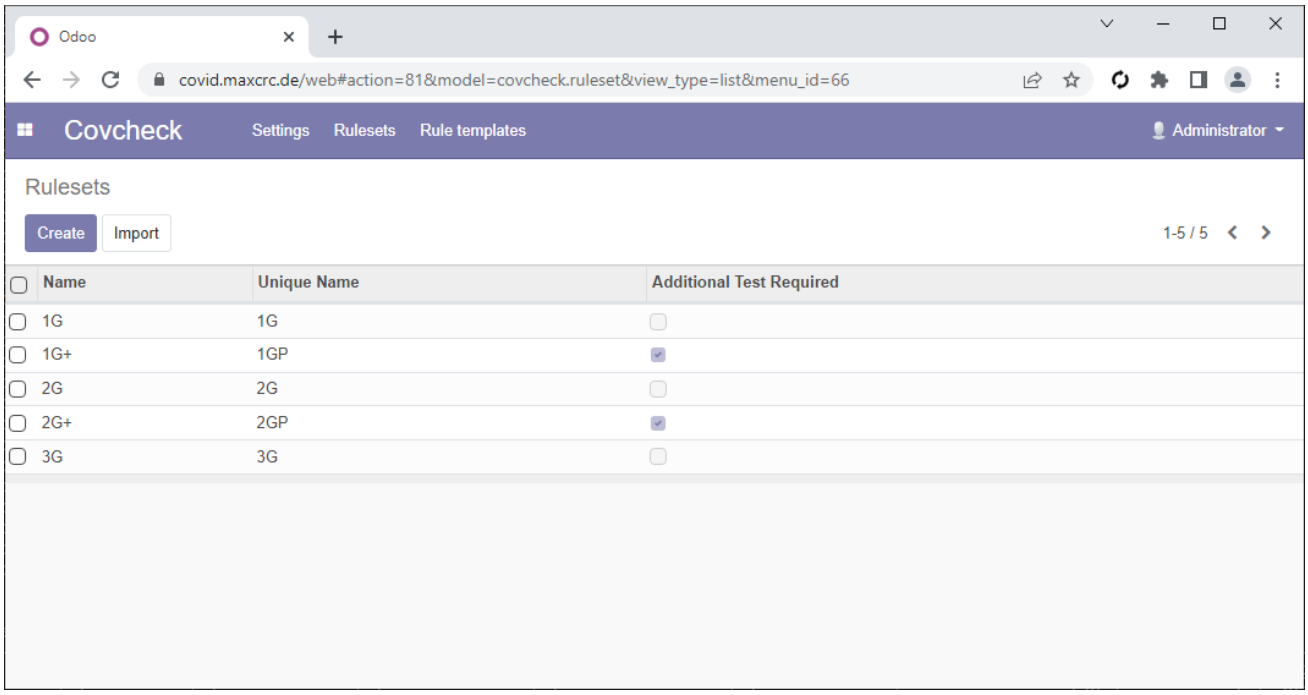
Fill-in the following fields and then click **Change Password**:

- Old Password
- New Password
- Confirm New Password

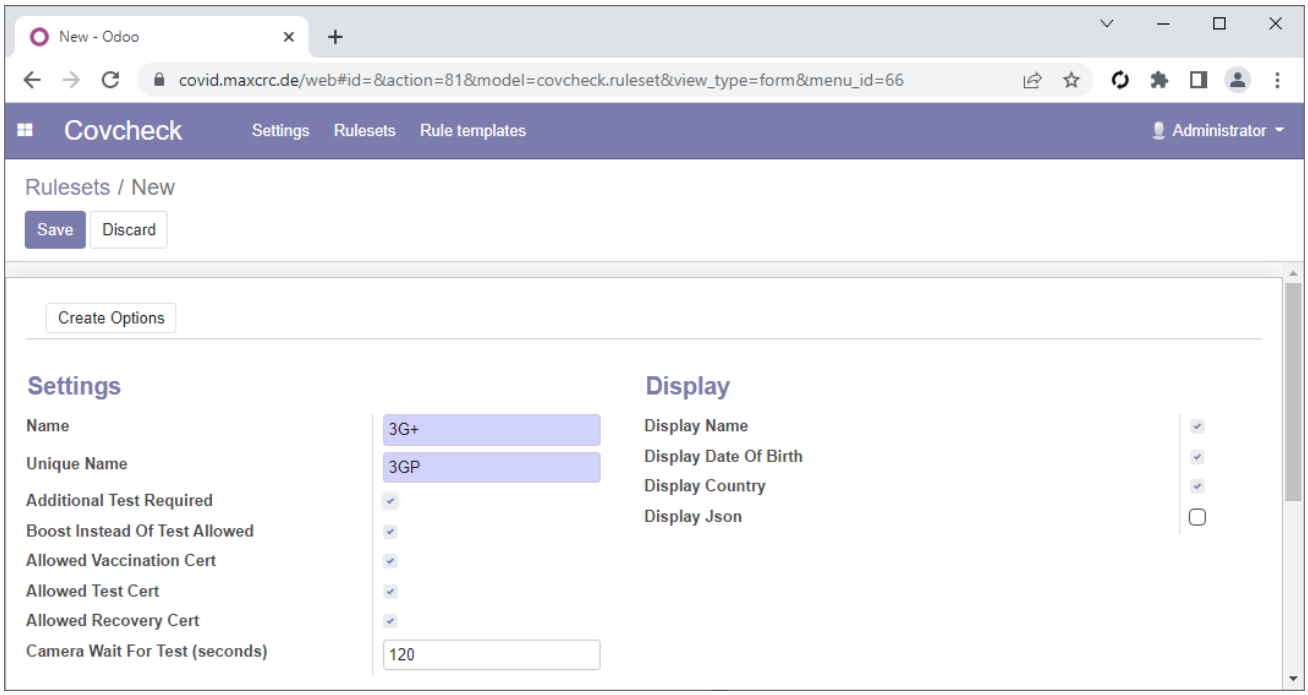


Managing Rulesets

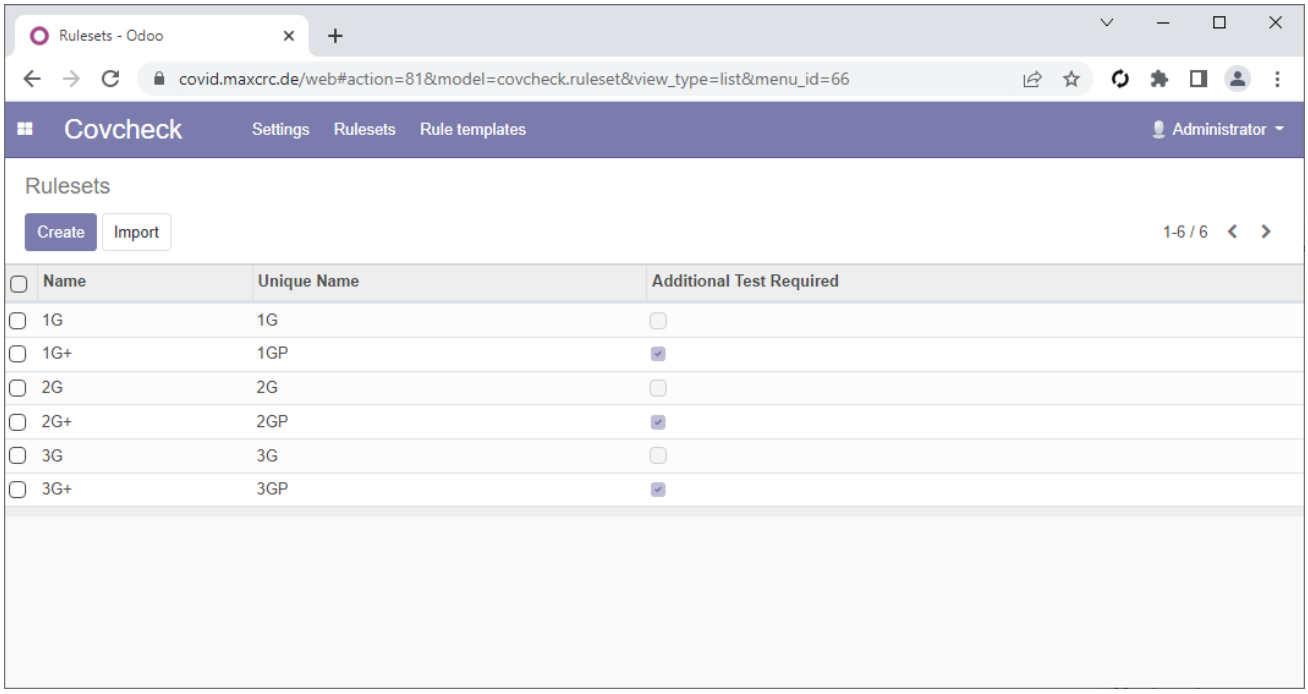
You can add, modify and delete rulesets on the **Rulesets** page:



For example, let us create a ruleset **3G+**, which requires an additional test. Click **Create** fill-in the fields **Name** and **Unique Name**, check **Additional Test Required** and click **Save**:



The list now includesthe **3G+**ruleset:

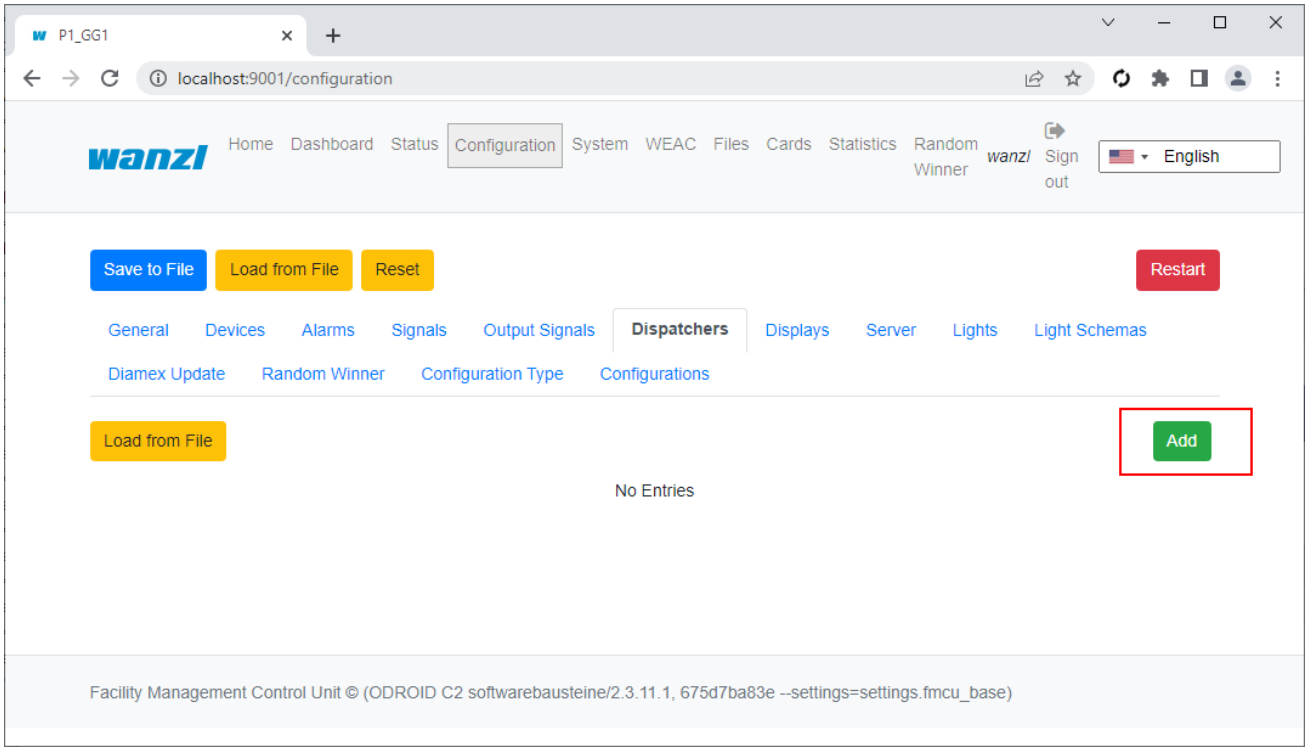


Configuration of Galaxy Gate

In order COVID certificates and tests can be validated against the Covcheck server the proper dispatcher and display must be selected and configured.

Dispatcher

Open the URL of the gate, login with the user **wanzl** and navigate to the **Configuration** page. Select tab **Dispatchers** and click **New**:



In the combo box under the title **Dispatcher** select **Covcheck**, modify the following properties if needed and click **Save**:

URL

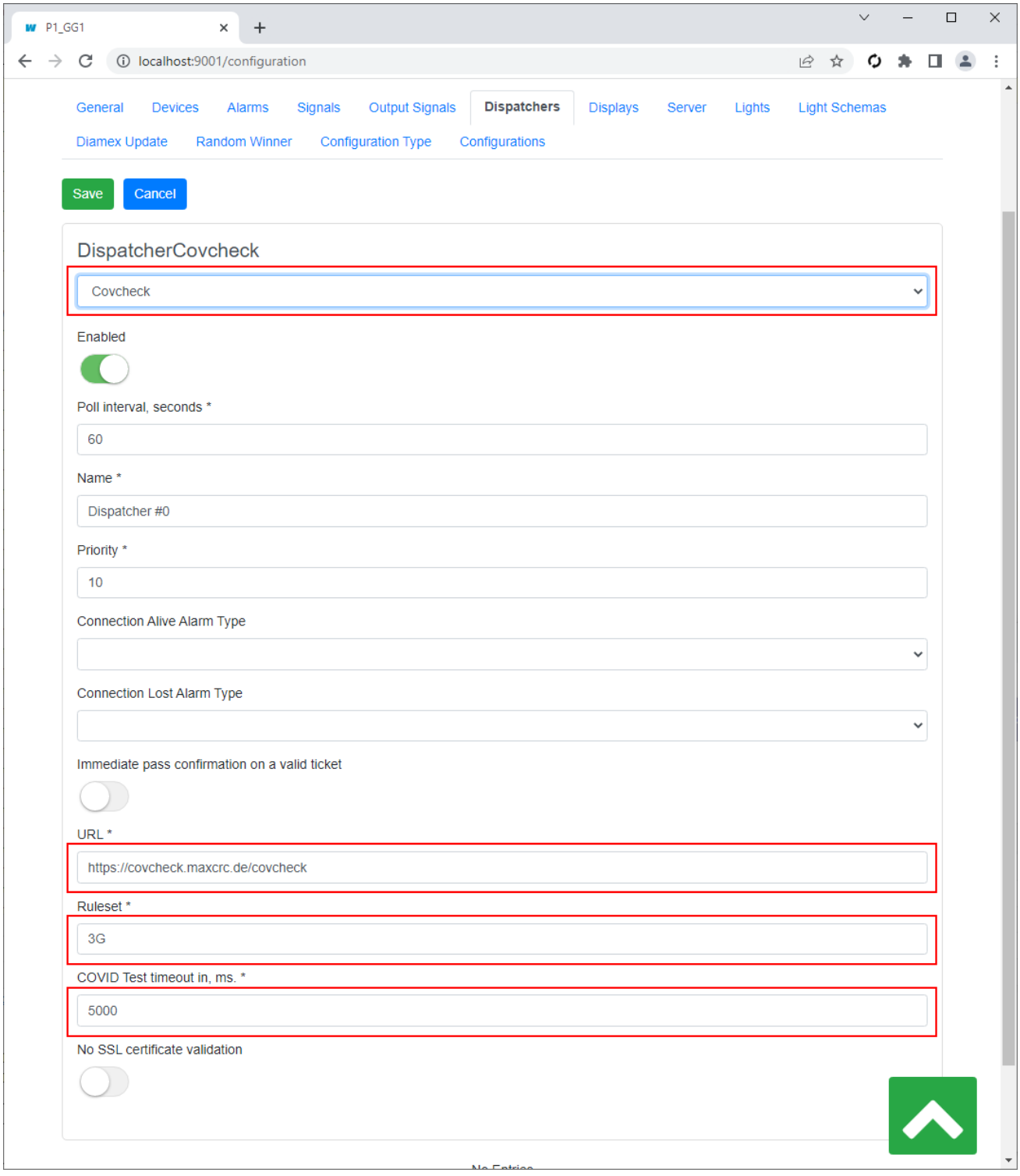
Base URL of Covcheck's API

Ruleset

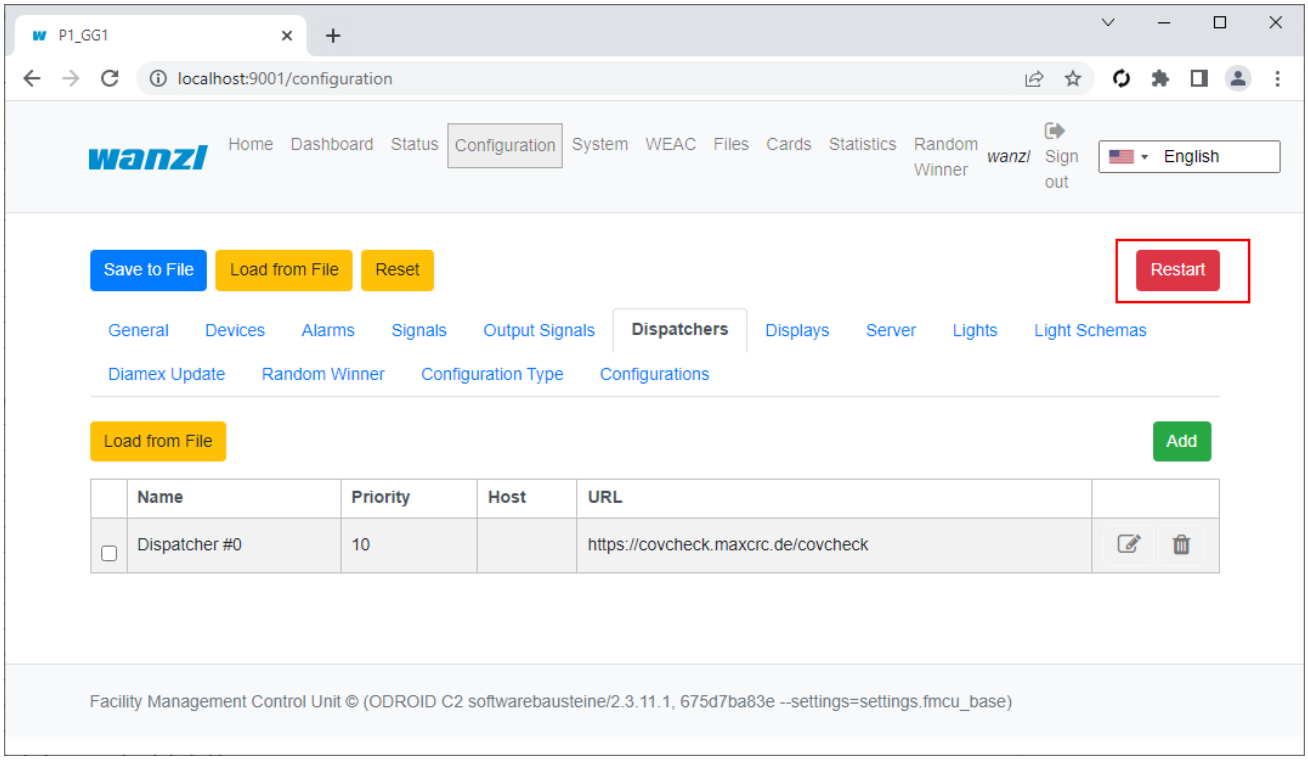
Ruleset for validating COVID certificates and tests

COVID Test timeout, ms

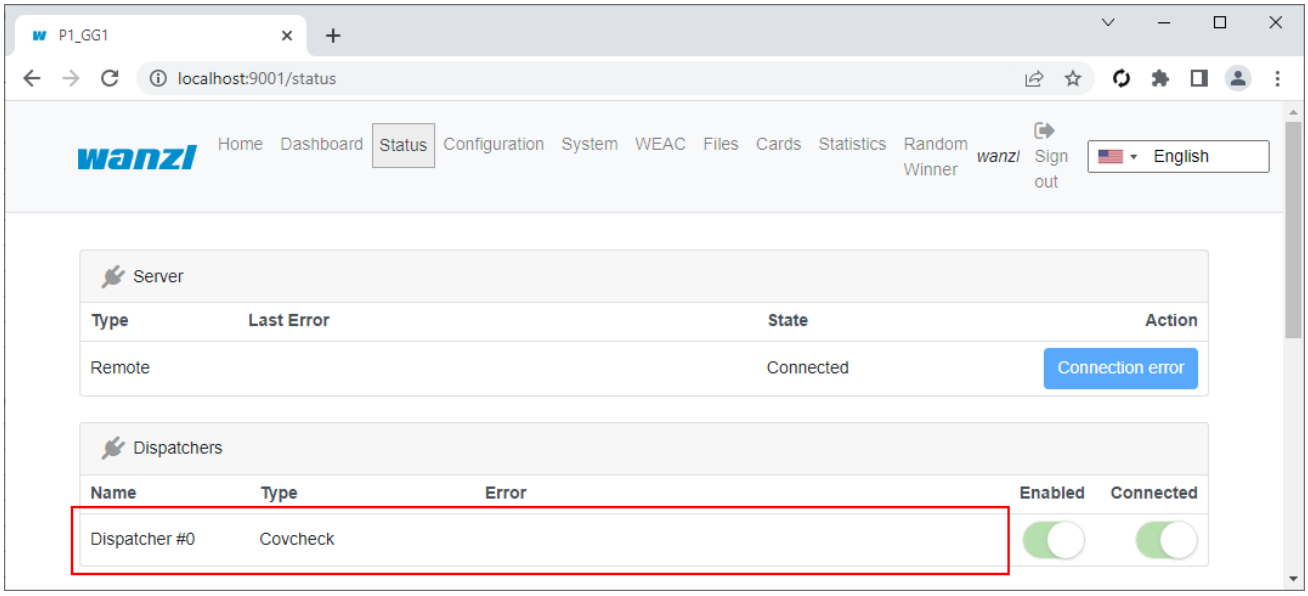
When a COVID test is required, specifies the timeout of waiting for it



Restart the gate:

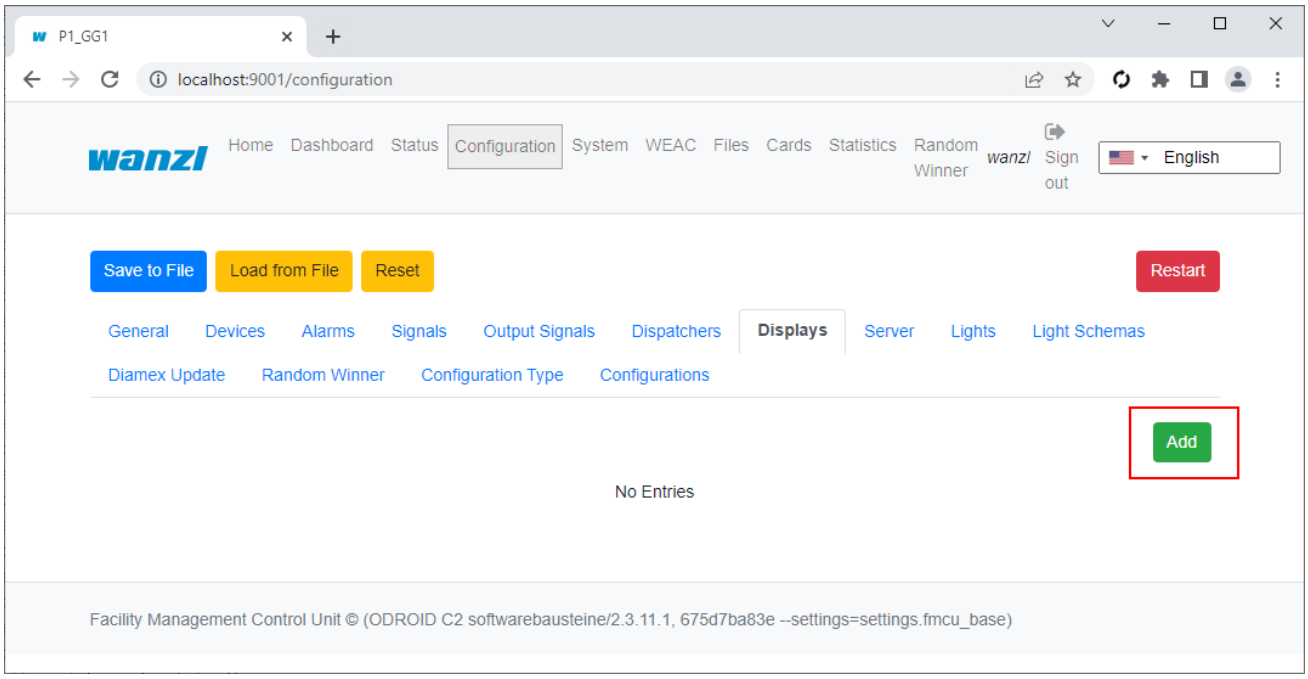


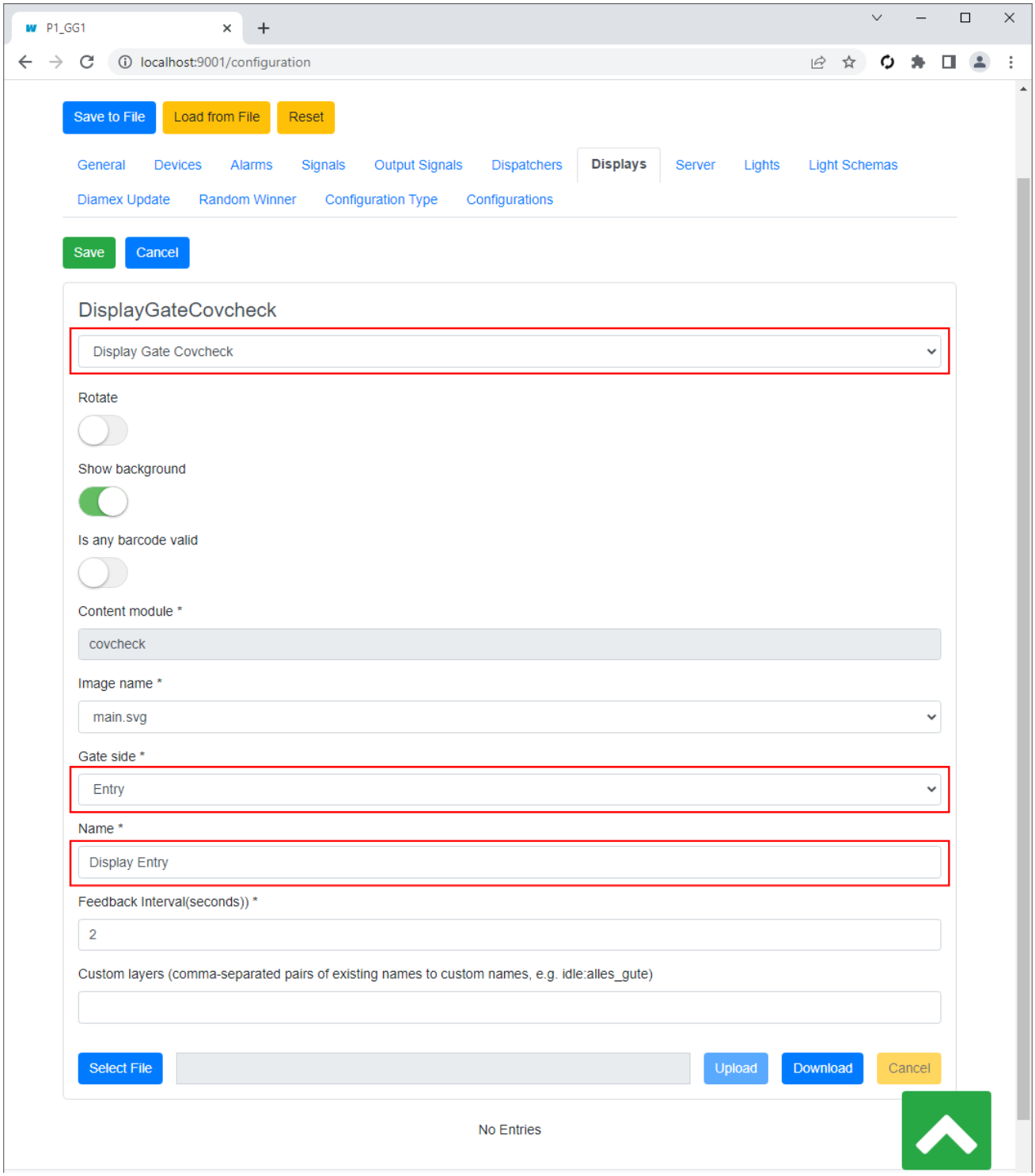
If the Covcheck server is available, the **Error** field is empty:

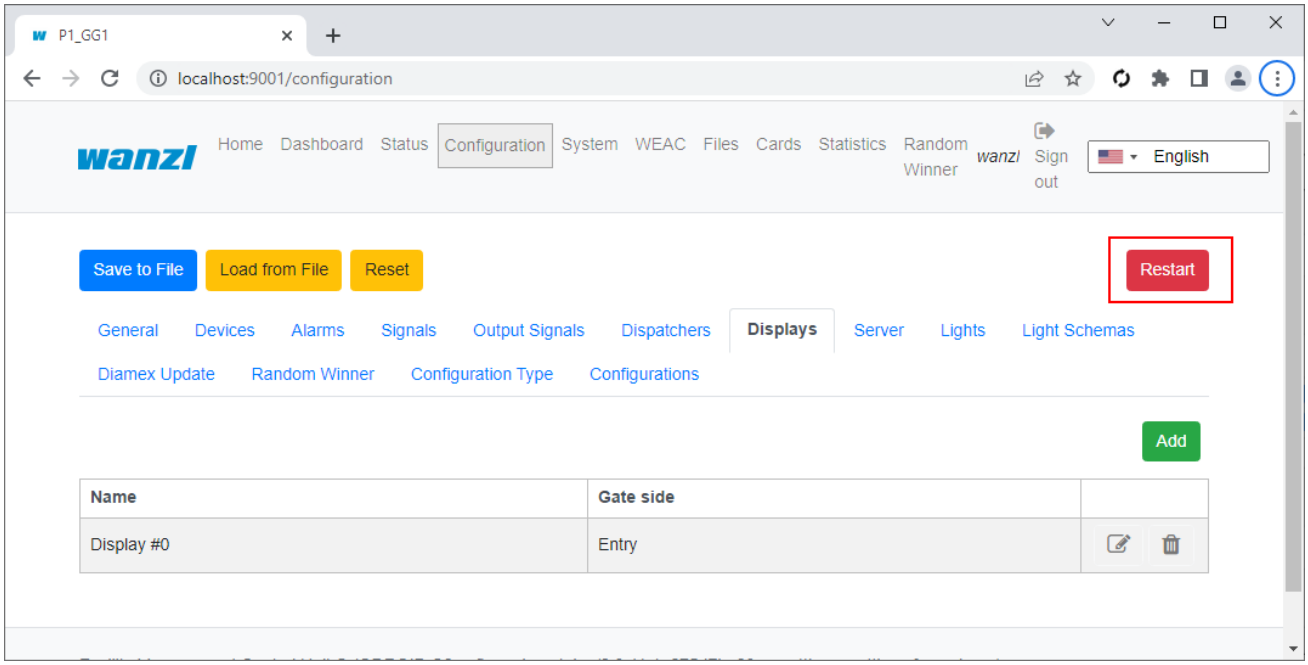


Display

Open the URL of the gate, login with the user **wanzl** and navigate to the **Configuration** page. Select tab **Displays** and click **Add**:


P1_GG1
localhost:9001/configuration
wanzl
Home
Dashboard
Status
Configuration
System
WEAC
Files
Cards
Statistics
Random Winner
wanzl
Sign out
English
Save to File
Load from File
Reset
Restart
General
Devices
Alarms
Signals
Output Signals
Dispatchers
Displays
Server
Lights
Light Schemas
Diamex Update
Random Winner
Configuration Type
Configurations
Add
No Entries
Facility Management Control Unit © (ODROID C2 softwarebausteine/2.3.11.1, 675d7ba83e --settings=settings.fmcu_base)


P1_GG1
localhost:9001/configuration
Save to File
Load from File
Reset
General
Devices
Alarms
Signals
Output Signals
Dispatchers
Displays
Server
Lights
Light Schemas
Diamex Update
Random Winner
Configuration Type
Configurations
Save
Cancel
DisplayGateCovcheck
Display Gate Covcheck
Rotate
Show background
Is any barcode valid
Content module *
covcheck
Image name *
main.svg
Gate side *
Entry
Name *
Display Entry
Feedback Interval(seconds)) *
2
Custom layers (comma-separated pairs of existing names to custom names, e.g. idle:alles_gute)
Select File
Upload
Download
Cancel
No Entries


P1_GG1
localhost:9001/configuration
wanzl
Home
Dashboard
Status
Configuration
System
WEAC
Files
Cards
Statistics
Random Winner
wanzl
Sign out
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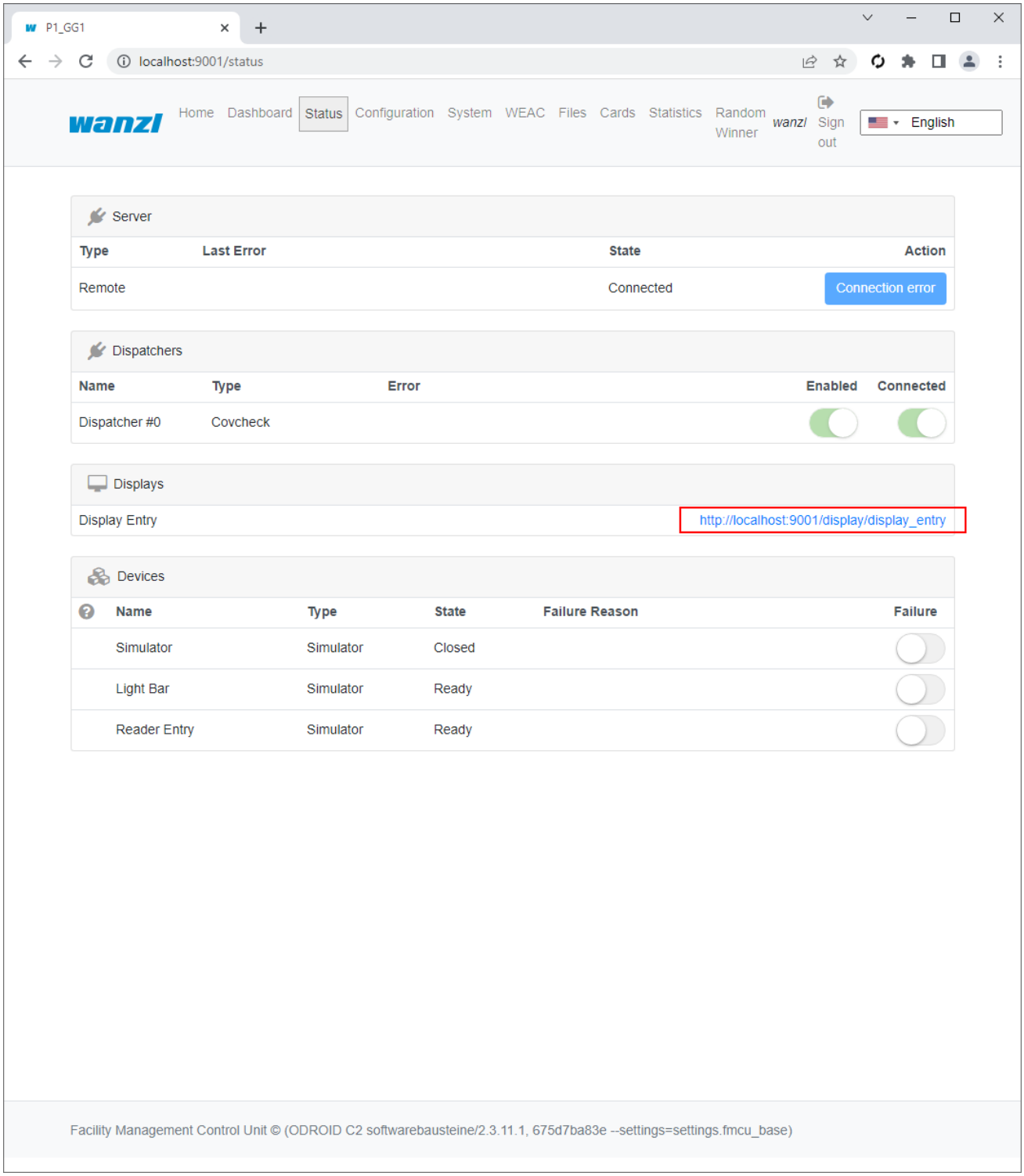
Save to File
Load from File
Reset
Restart
General
Devices
Alarms
Signals
Output Signals
Dispatchers
Displays
Server
Lights
Light Schemas
Diamex Update
Random Winner
Configuration Type
Configurations
Add
Name
Gate side
Display #0
Entry


P1_GG1
localhost:9001/status
wanzl
Home
Dashboard
Status
Configuration
System
WEAC
Files
Cards
Statistics
Random Winner
wanzl
Sign out
English
Server
Type
Last Error
State
Action
Remote
Connected
Connection error
Dispatchers
Name
Type
Error
Enabled
Connected
Dispatcher #0
Covcheck
Displays
Display Entry
http://localhost:9001/display/display_entry
Devices
Name
Type
State
Failure Reason
Failure
Simulator
Simulator
Closed
Light Bar
Simulator
Ready
Reader Entry
Simulator
Ready
Facility Management Control Unit © (ODROID C2 softwarebausteine/2.3.11.1, 675d7ba83e --settings=settings.fmcu_base)


localhost:9001/display/display_en
localhost:9001/display/display_entry
Bitte
COVID-Zertificat
scannen


wanzl


localhost:9001/display/display_en
localhost:9001/display/display_entry
Bitte
Test-Zertificat
scannen
5


wanzl