Covcheck

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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**), which is by default
- Archive **covcheck-installer.tar.gz** with the files listed in Installation Files. The name **covcheck-installer.tar.gz** can include a version, e.g. **covcheck-installer-v0.1.tar.gz**

Installation Steps

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

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

.env
: environment variables

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

docker-compose.yml
: docker compose file

git-submodule-status
: information about git submodules that comprise the Covcheck application server

install-covcheck.sh
: primary installation script

nginx-vhost
: template vhost file for nginx

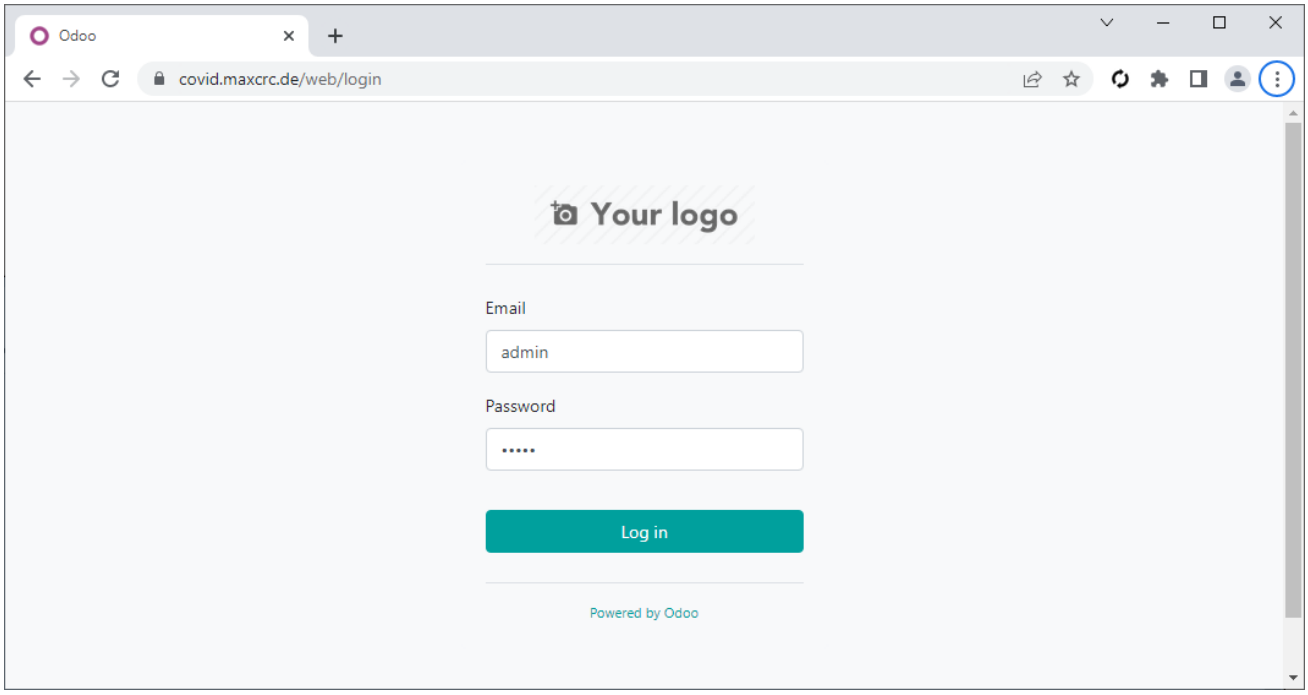
odoo.conf
: configuration file for ODOO

Configuration of Covcheck Application Server

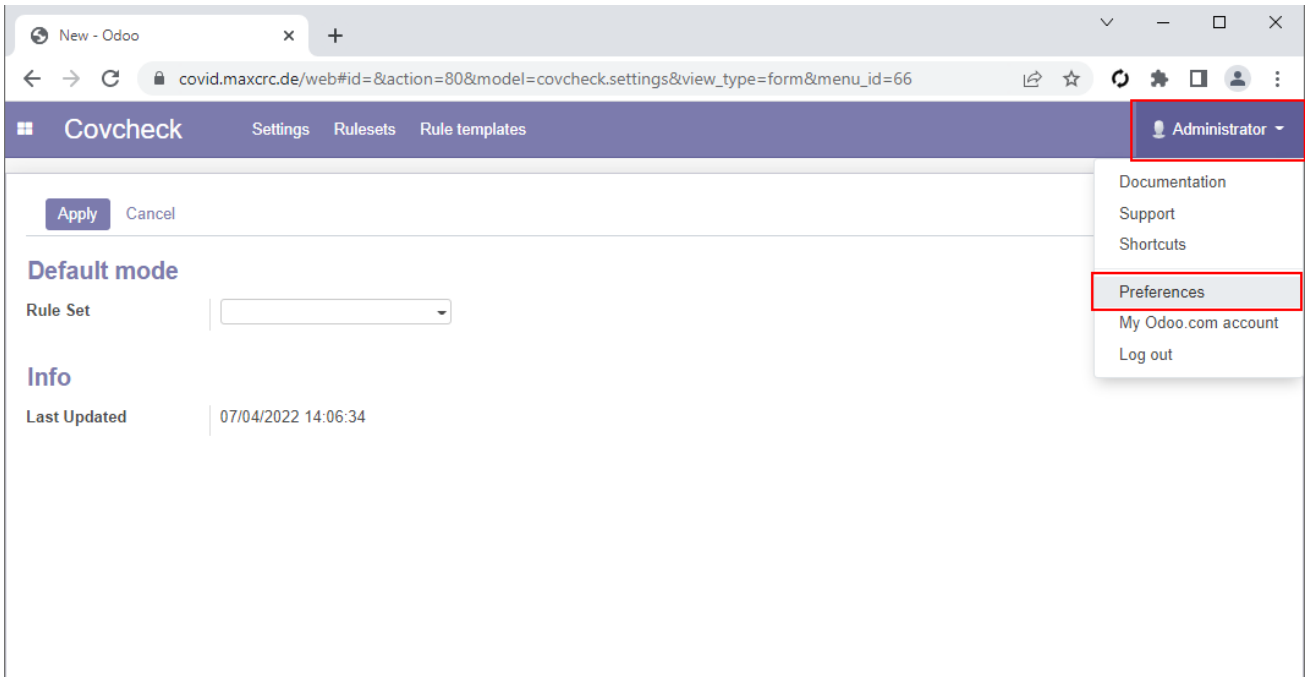
Change Default Password

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

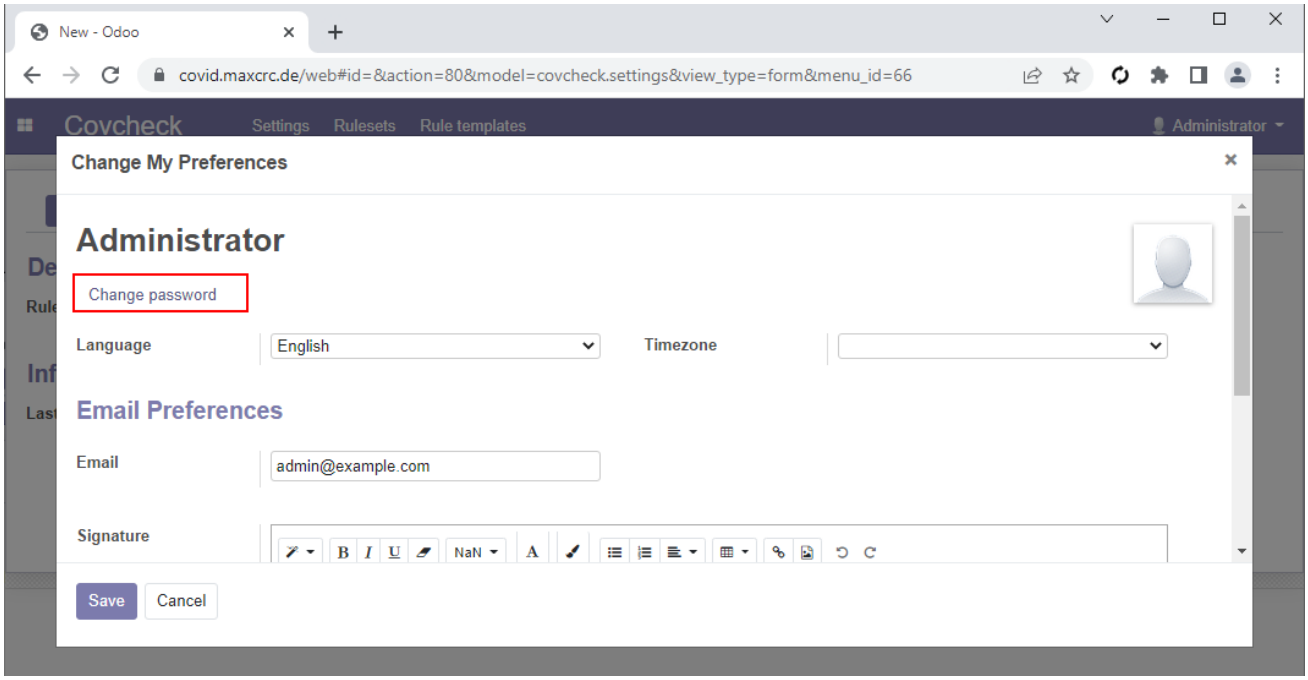
Username	Password
admin	admin



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

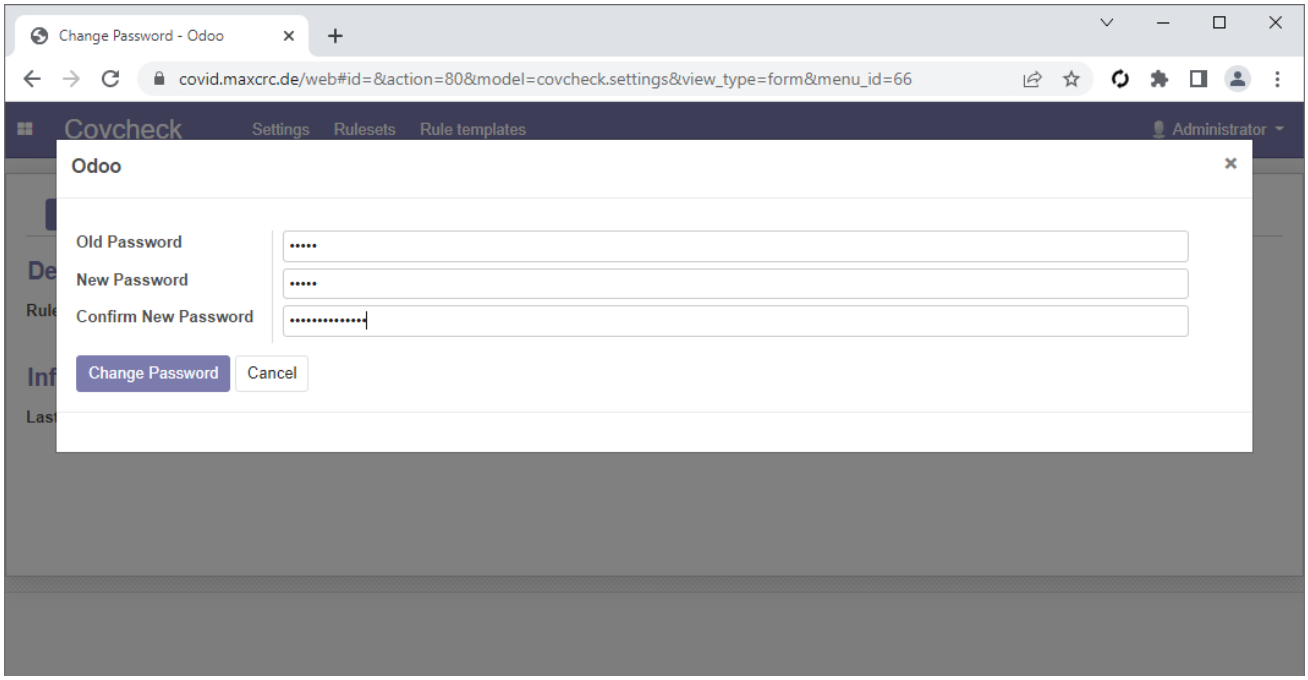


In the opened window click **Change password**:



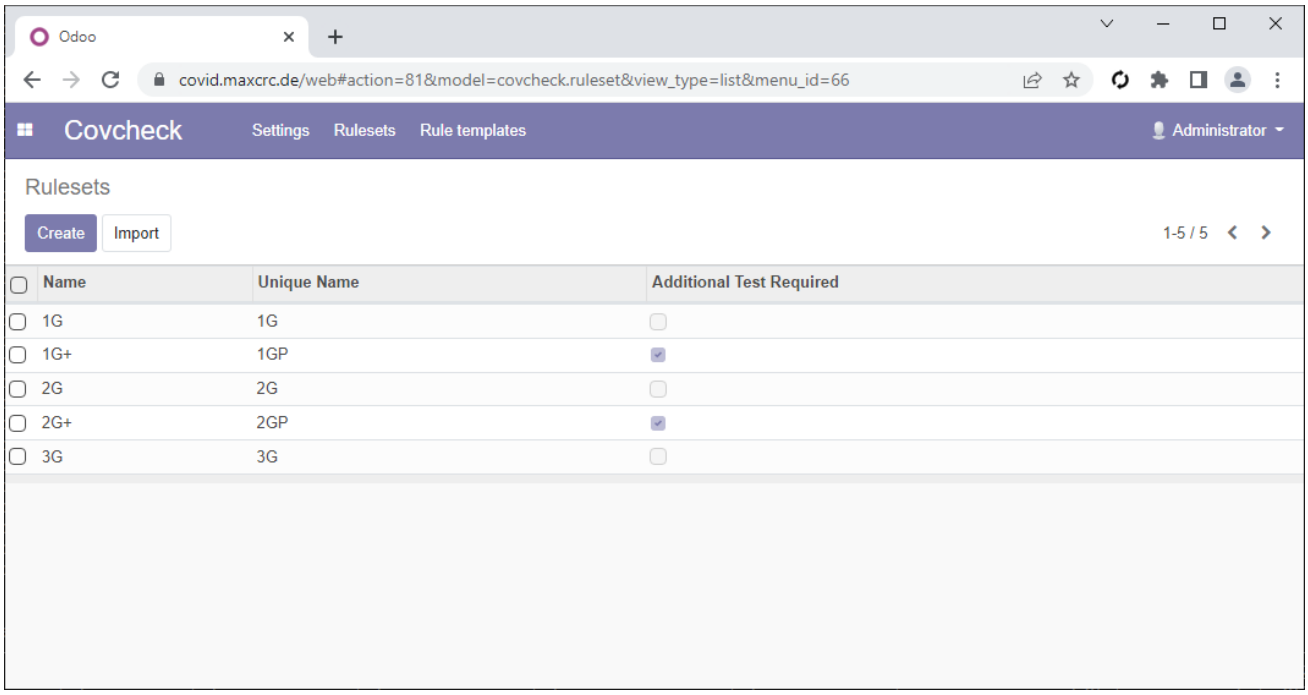
Fill-in the following fields and then click **Change Password**:

- Old Password
- New Password
- Confirm New Password

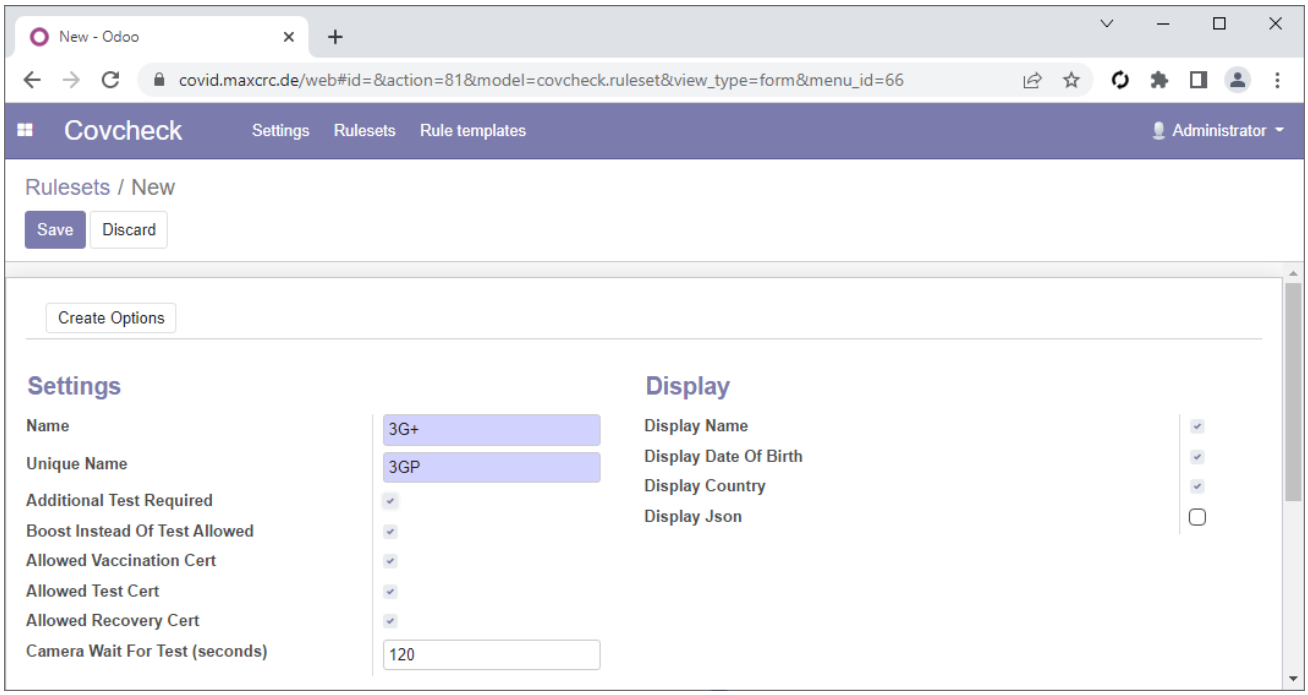


Managing Rulesets

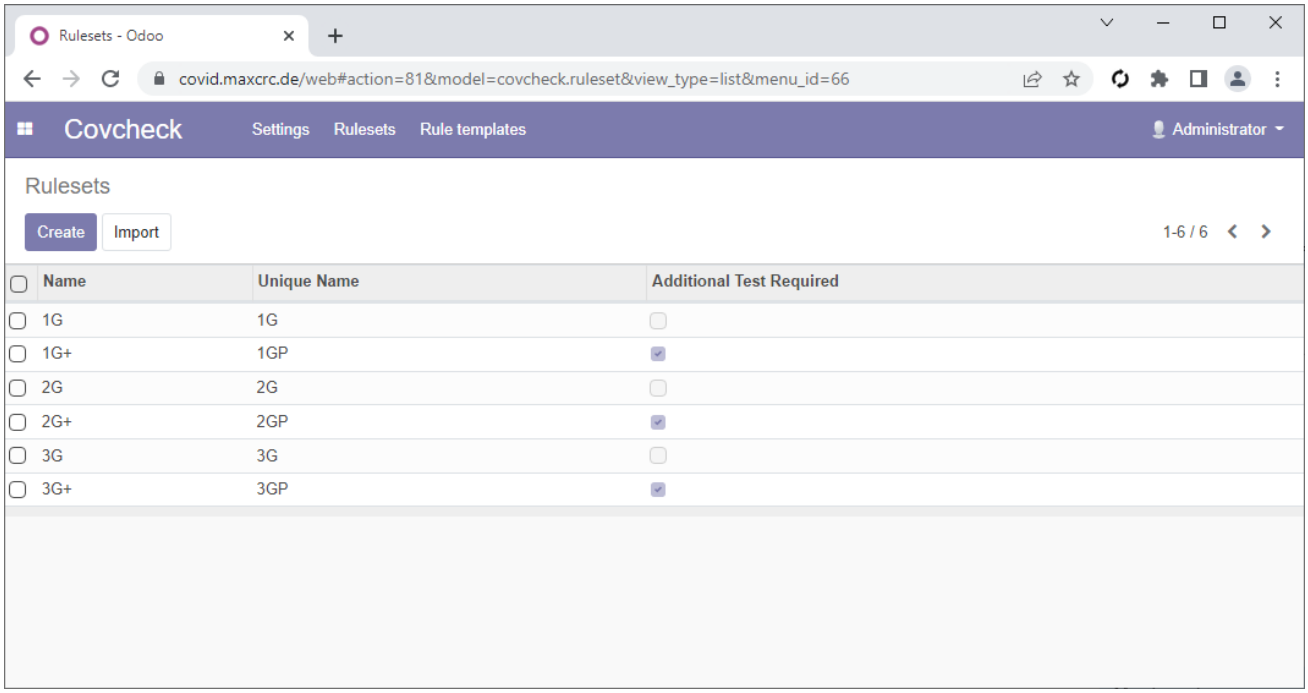
You can add, modify and delete rulesets on the **Rulesets** page:



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:

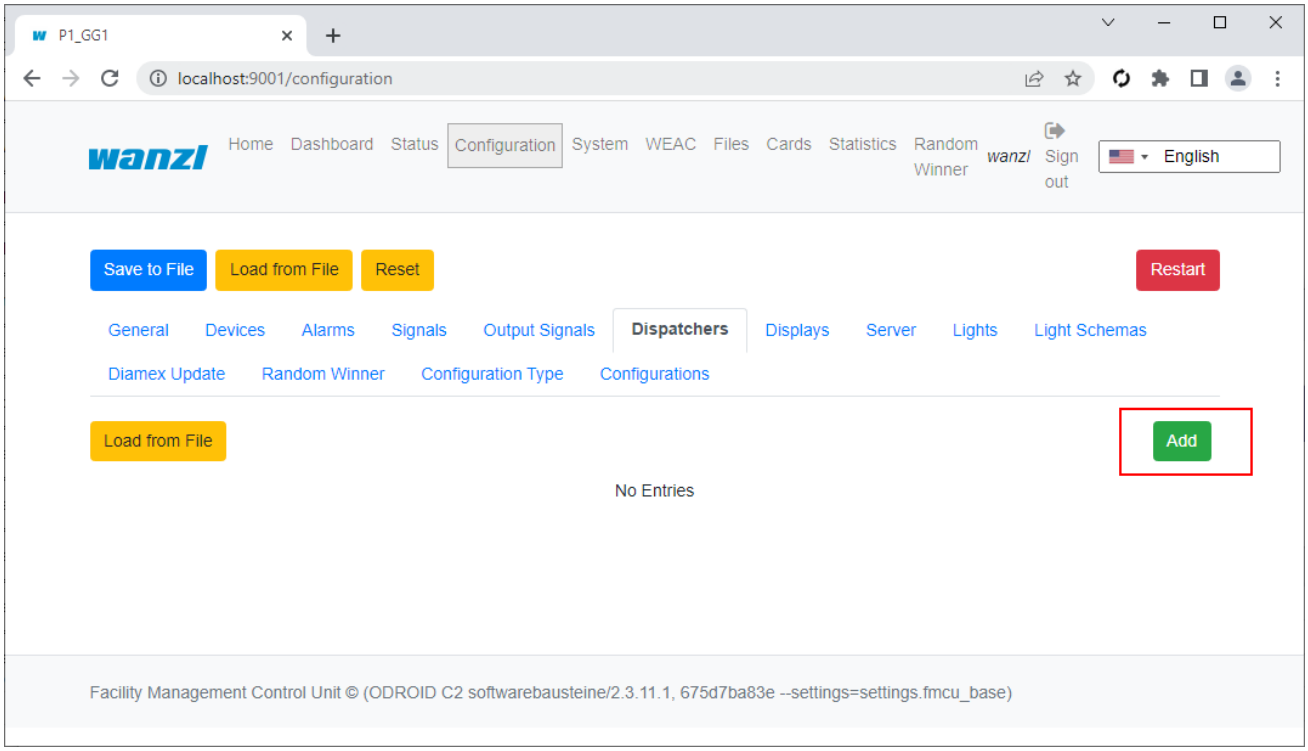


Configuration of Galaxy Gate

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 user **wanzl** and navigate to the **Configuration** page. Select tab **Dispatchers** and click **Add**:



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

URL

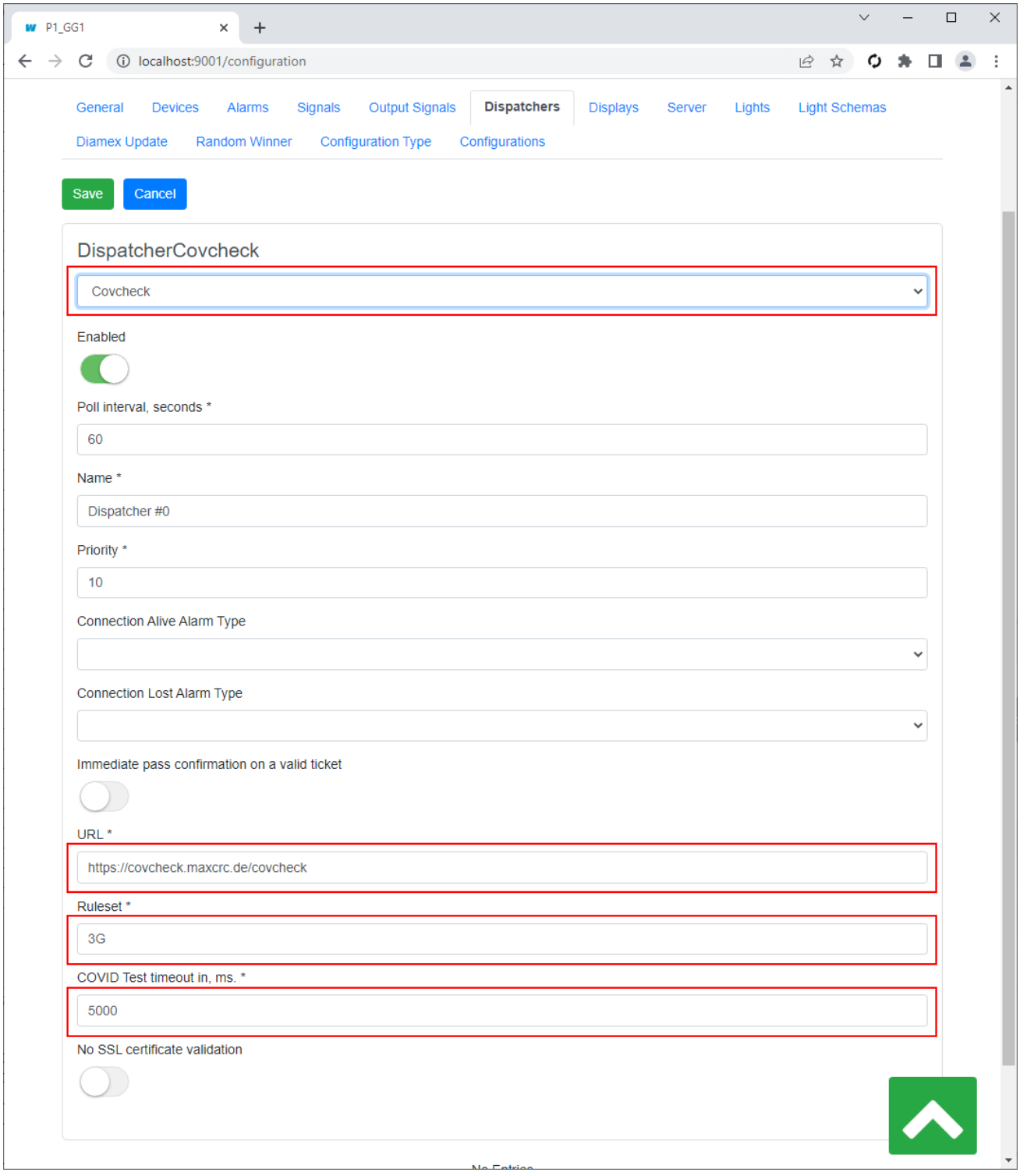
Base URL of Covcheck's API

Ruleset

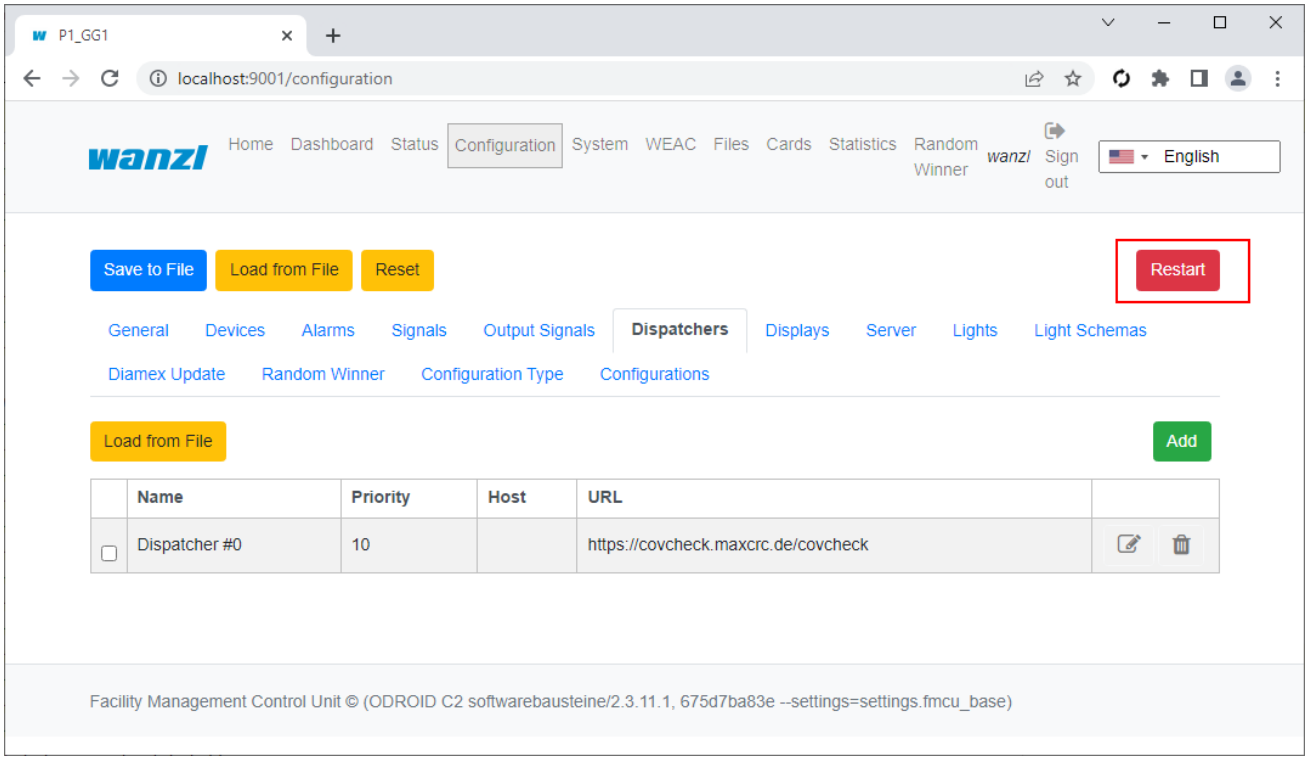
Ruleset for validating COVID certificates and tests

COVID Test timeout, ms

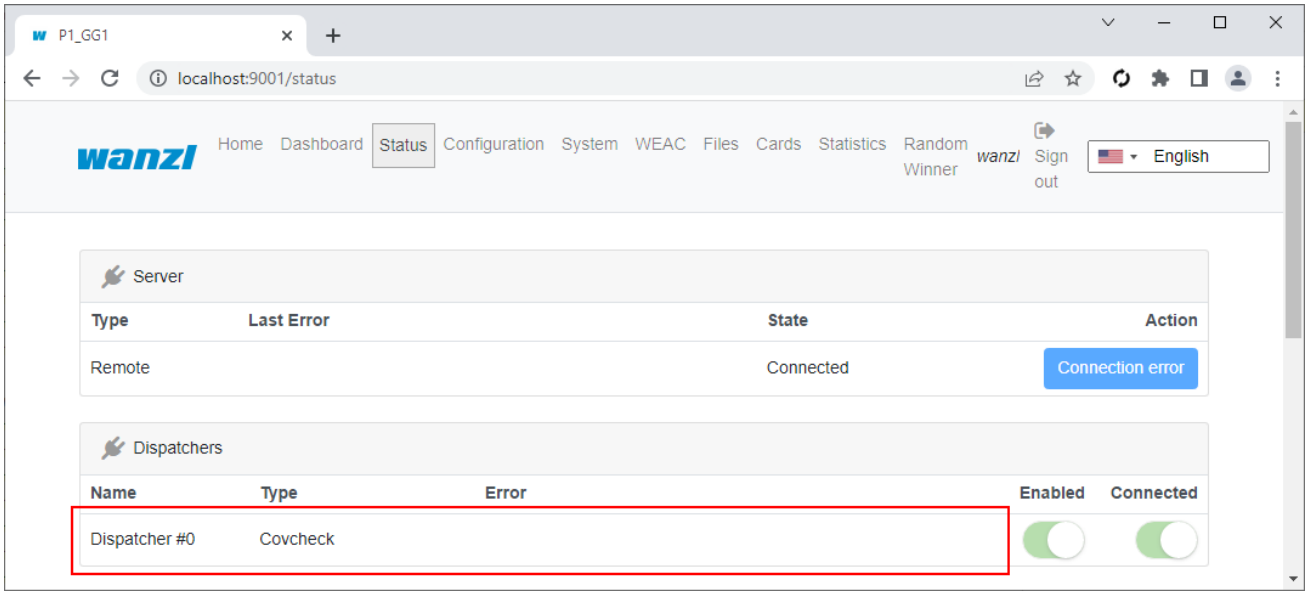
When a COVID test is required, specifies the timeout of waiting for it



Restart the gate:

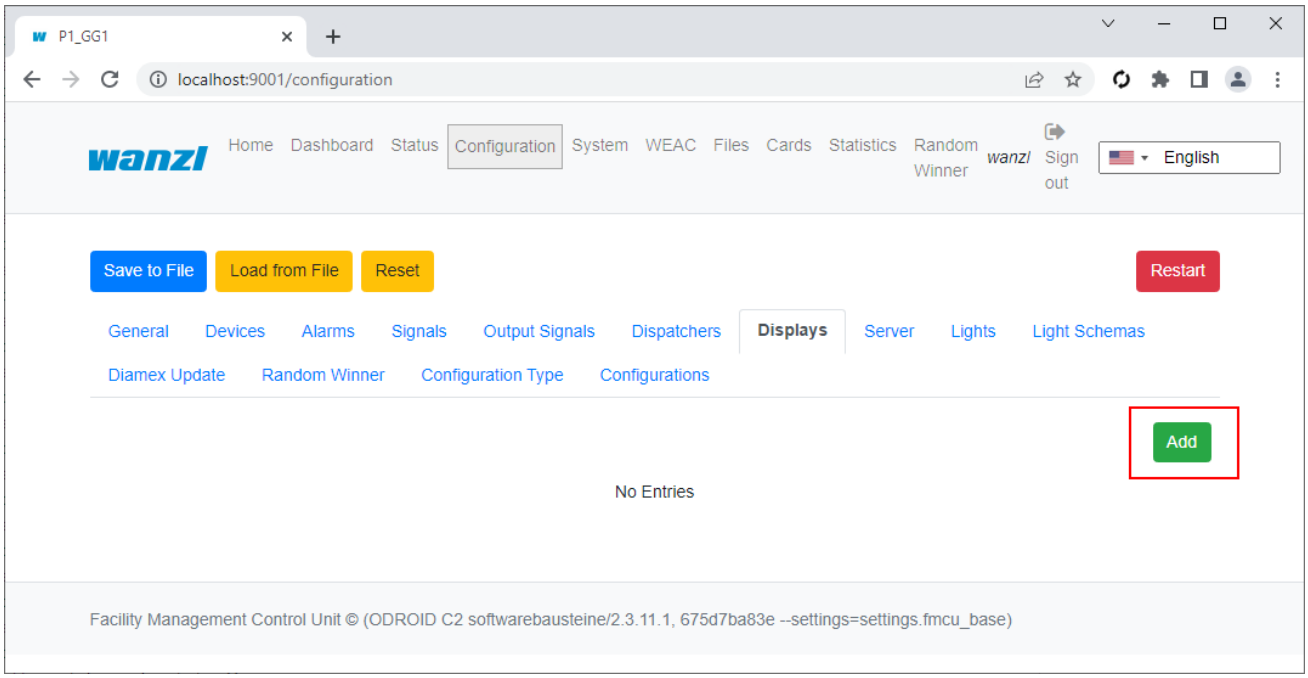


If the Covcheck server is available, the **Error** field is empty:



Display

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



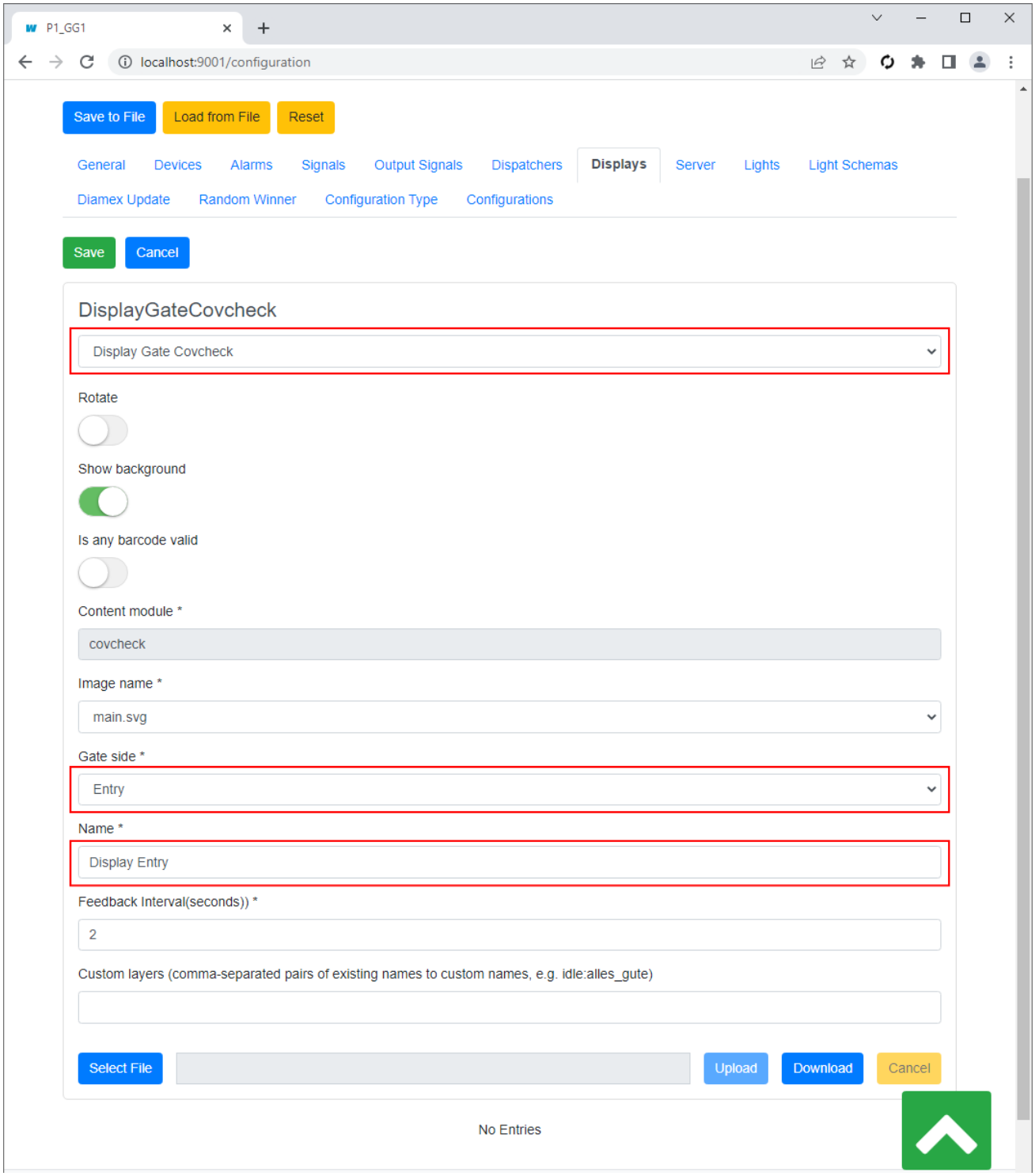
In the combo box under the title **Display** select **Display Gate Covcheck**, modify the following properties if needed and click **Save**:

Gate side

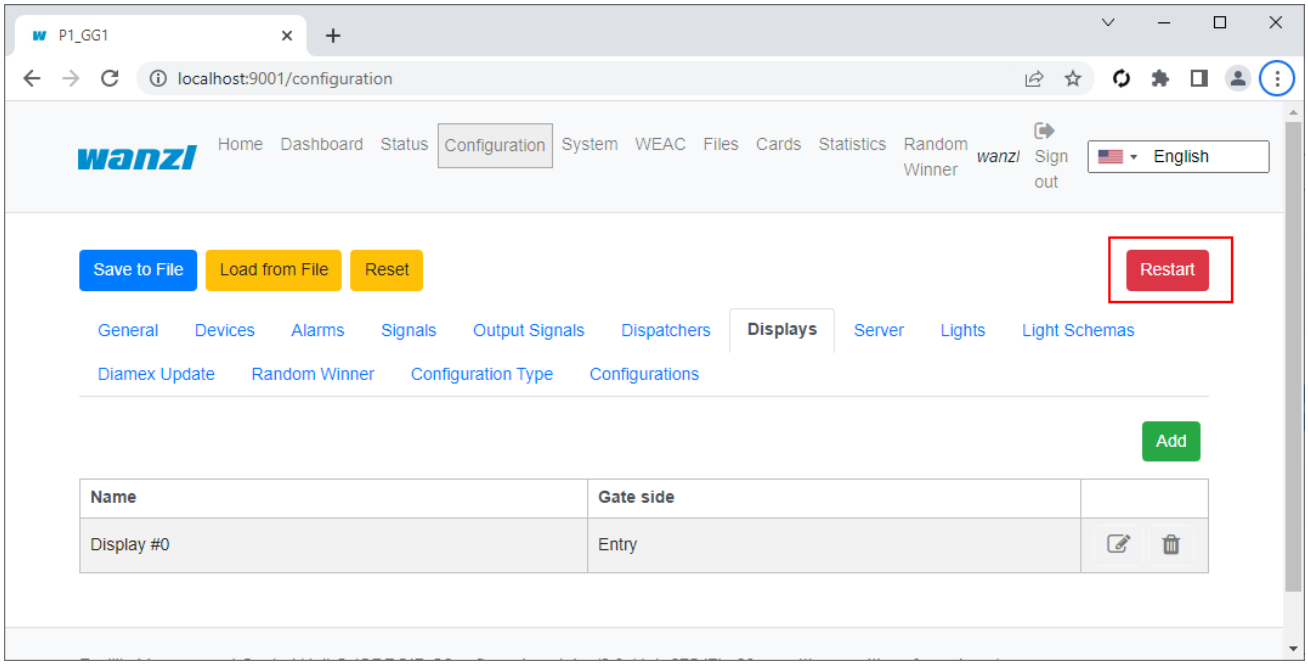
Side of the display, **Entry** or **Exit**

Name

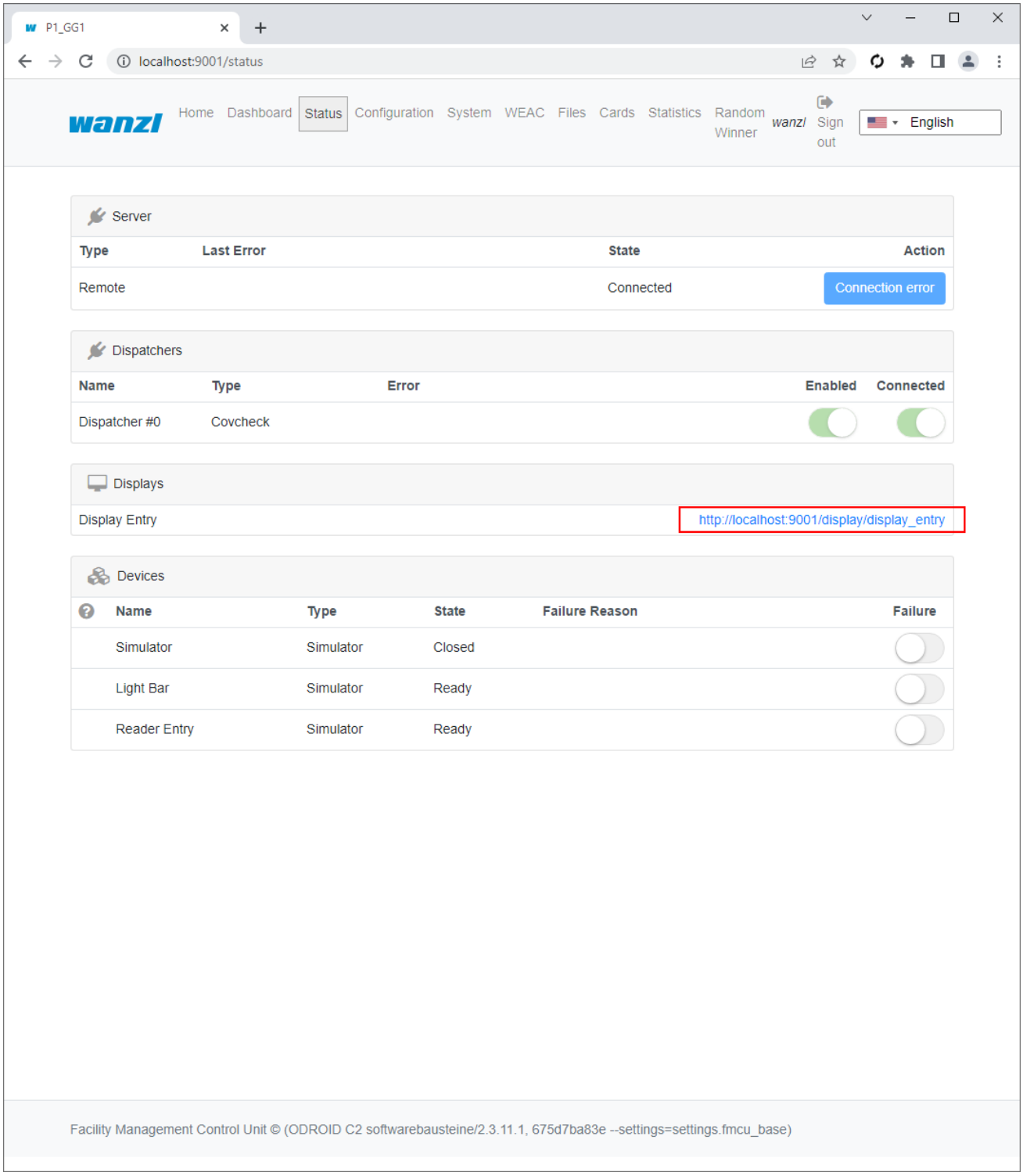
User-friendly name



Restart the gate:



Navigate to the **Status** page and open the link corresponding to the display:



The following screen for the idle state invites to present a COVID certificate:


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

When in addition a test certificate is required, the next screen asks to show it:


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


wanzl