

# Covcheck

## Inhaltsverzeichnis

1 Introduction .....	1
2 Installation of Covcheck Application Server .....	1
2.1 Prerequisites .....	1
2.2 Installation Steps .....	1
2.3 Installation Files .....	3
3 Configuration of Covcheck Application Server .....	3
3.1 Change Default Password .....	3
3.2 Managing Rulesets .....	6
4 Configuration of Galaxy Gate .....	7
4.1 Dispatcher .....	7
4.2 Display .....	10

## 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**):

## Covcheck

```
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

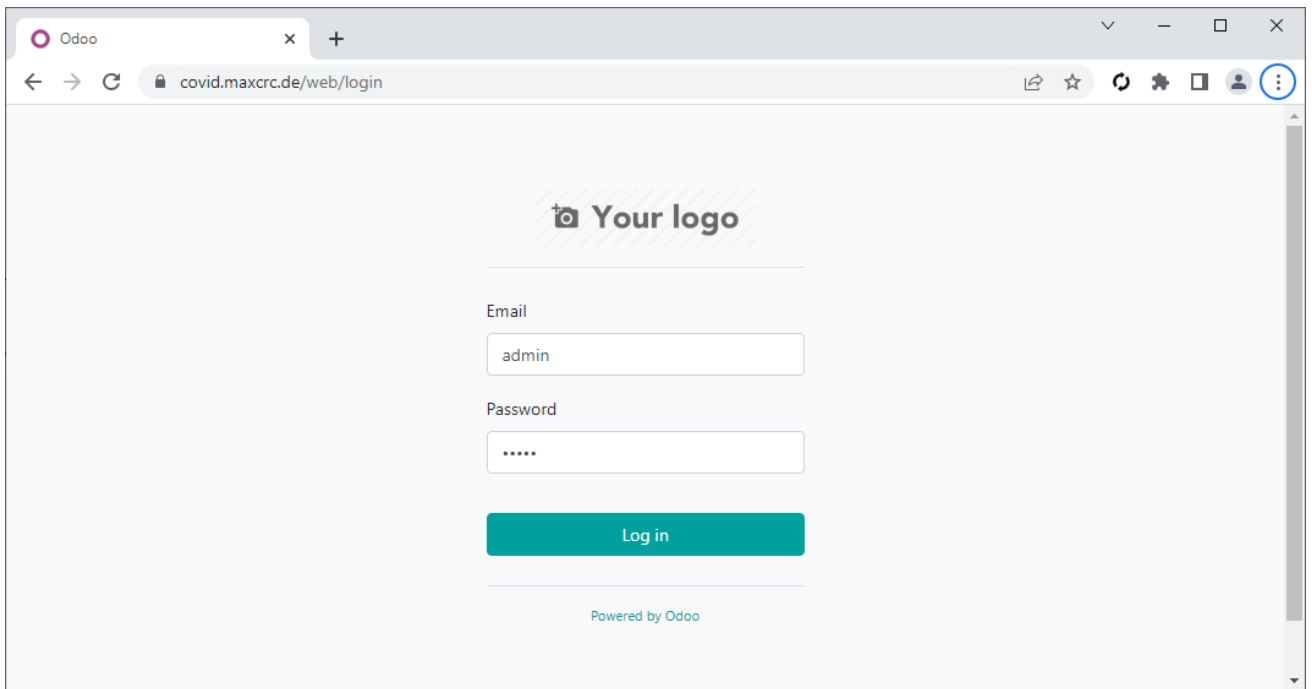
---

### Change Default Password

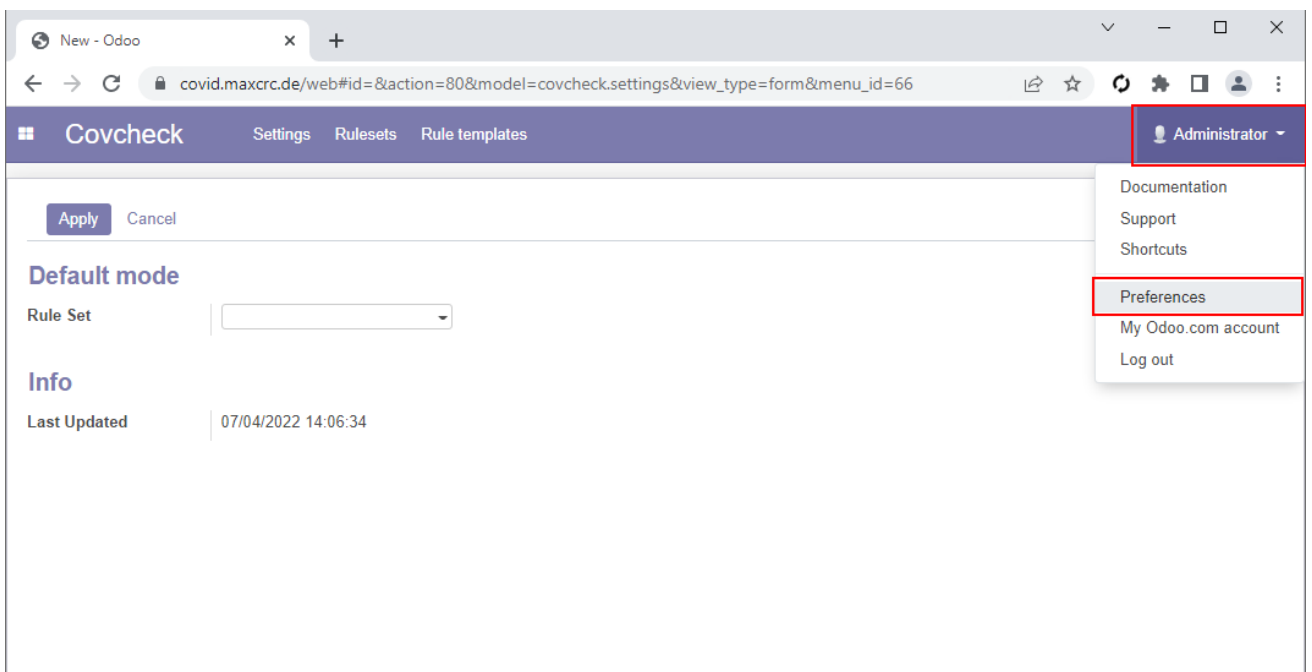
---

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

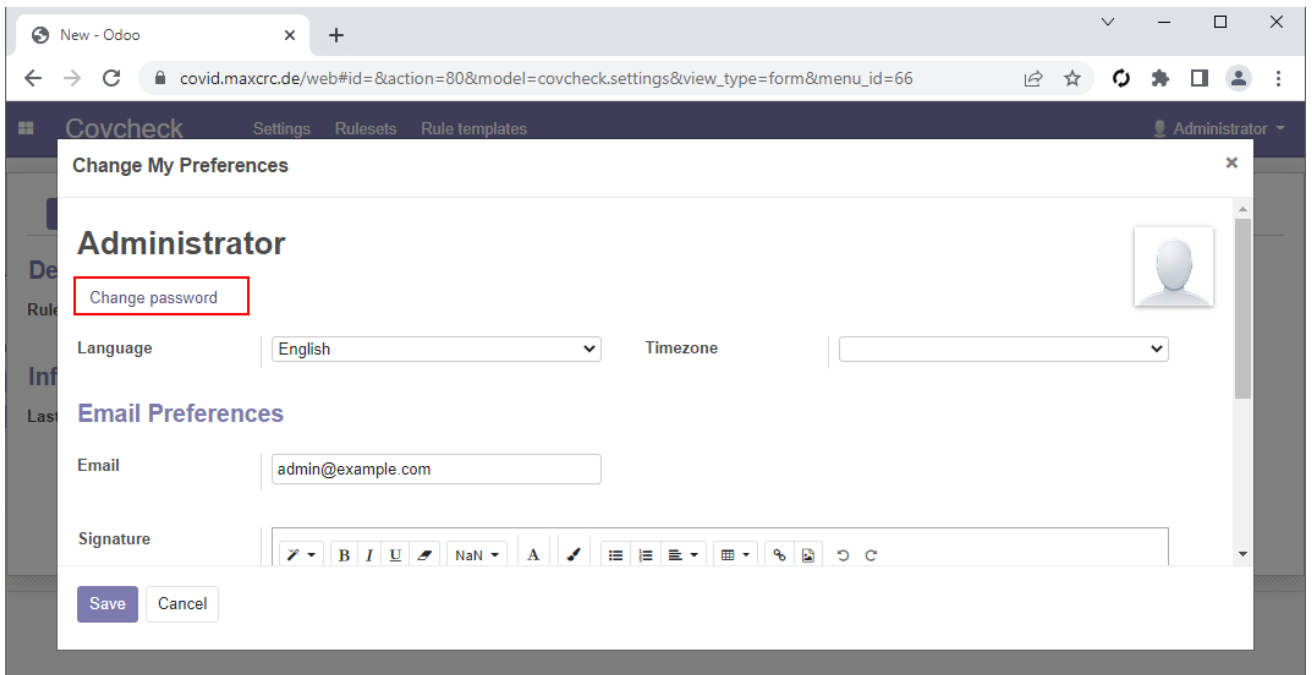
Username	Password
admin	admin



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

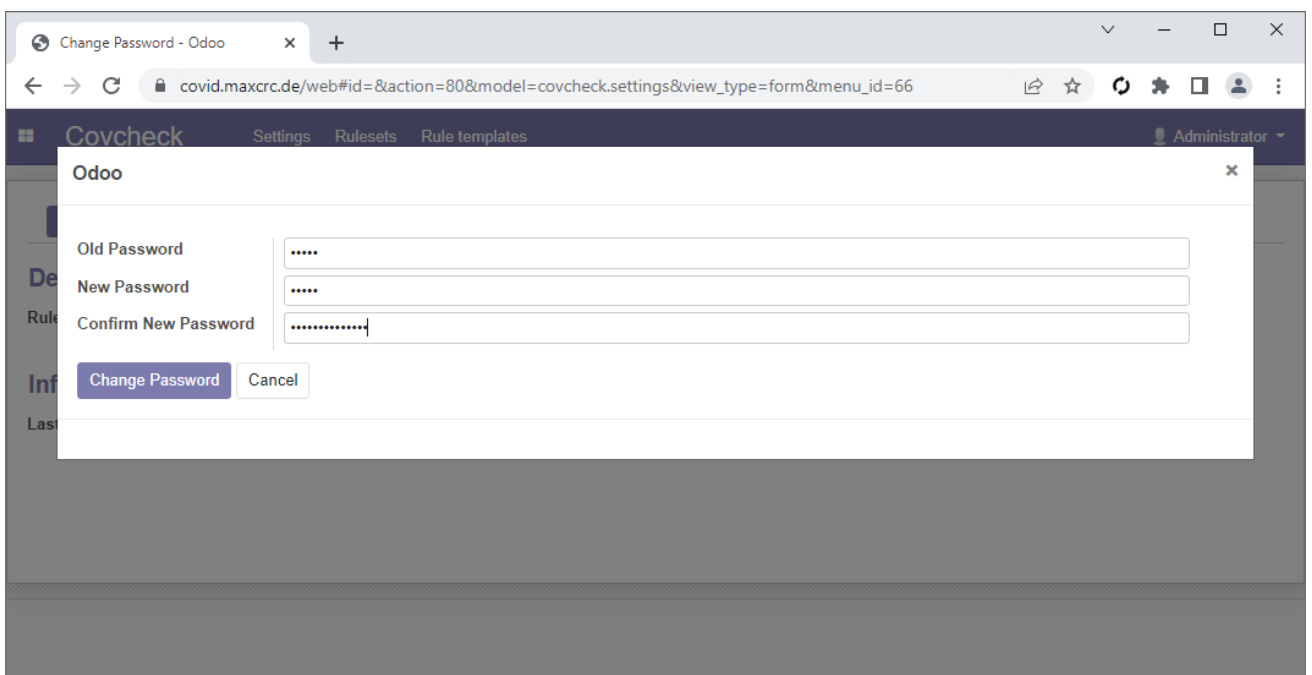


In the opened window click **Change password**:



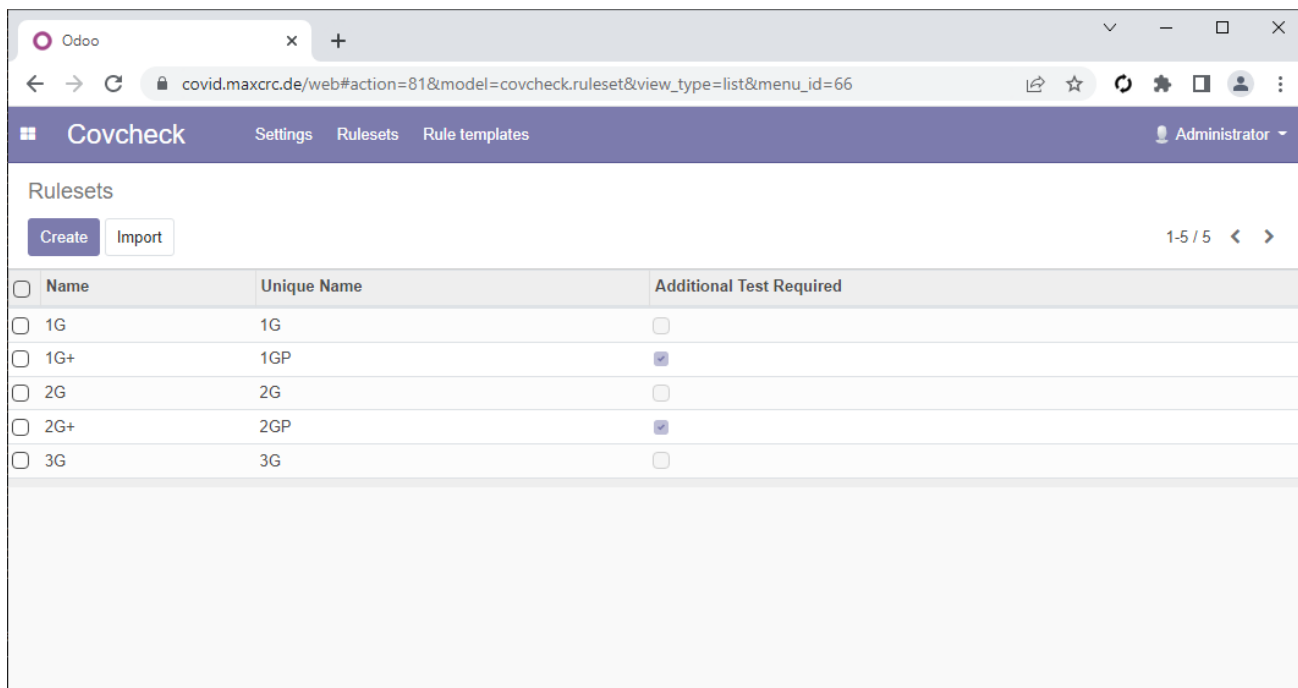
Fill-in the following fields and then click **Change Password**:

- ■ Old Password
- ■ New Password
- ■ Confirm New Password

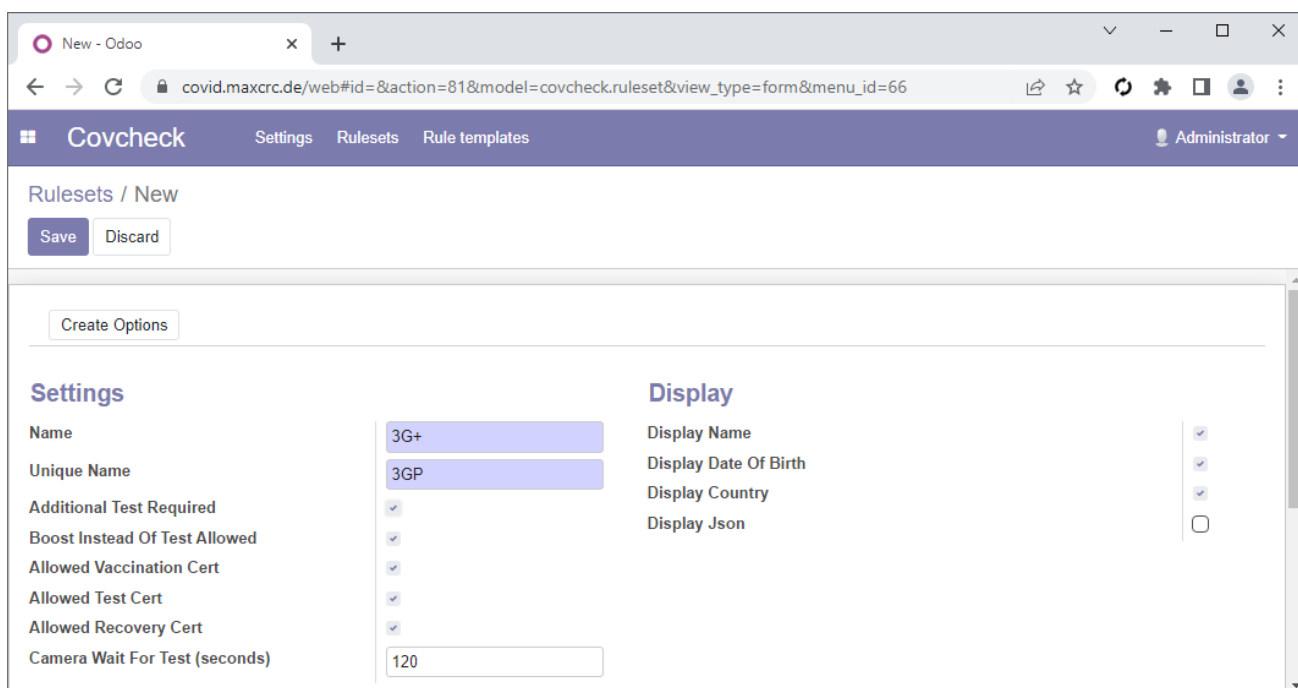


## Managing Rulesets

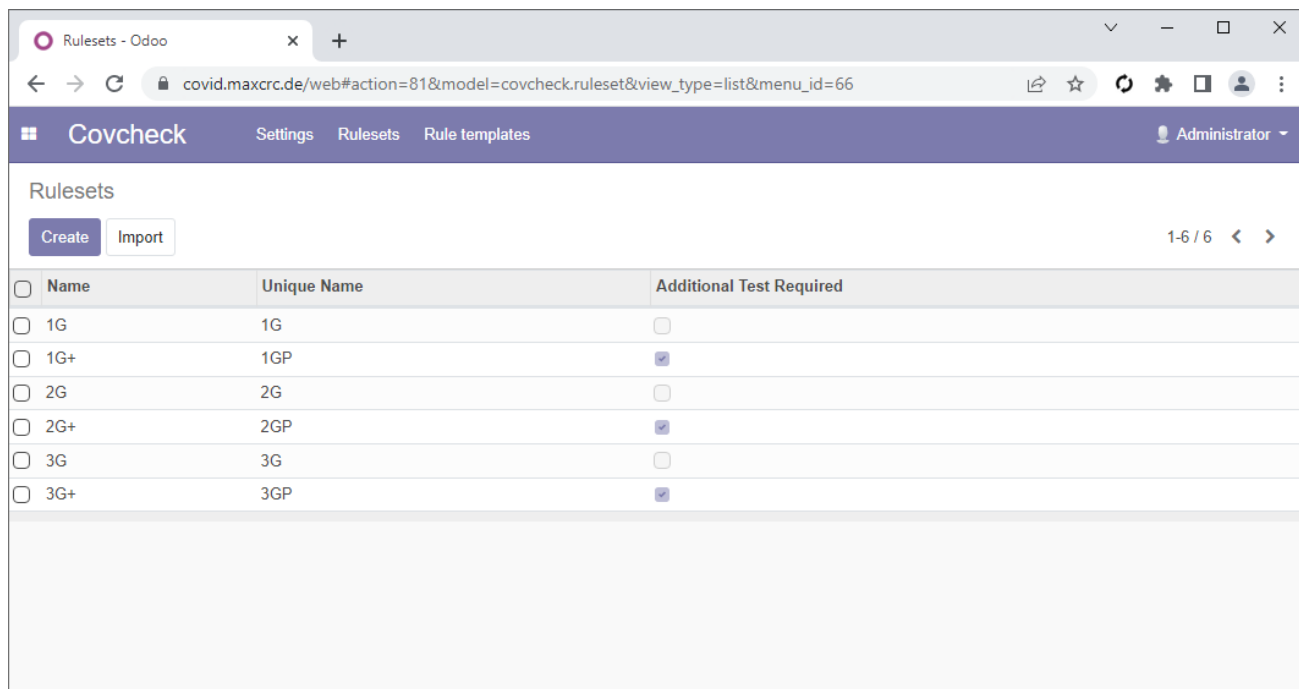
You can add, modify and delete rulesets on the **Rulesets** page:



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 includes the **3G+** ruleset:



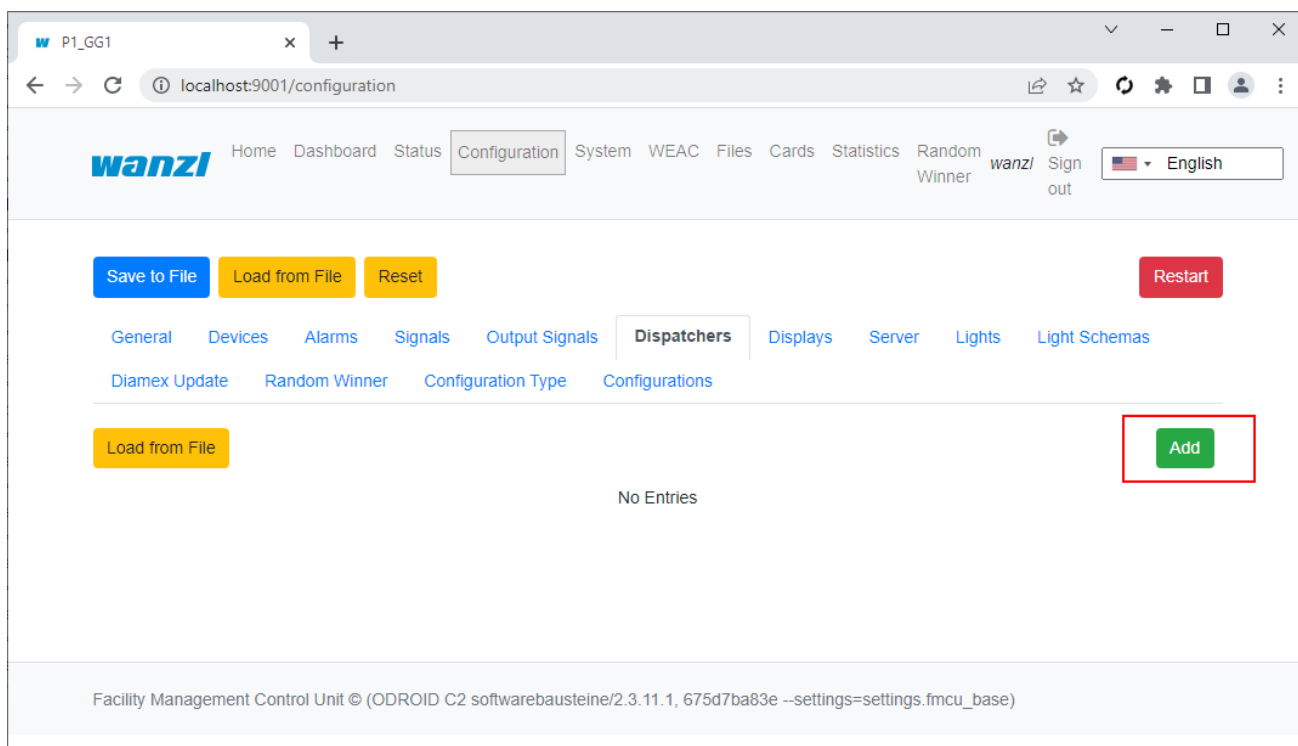
<input type="checkbox"/>	Name	Unique Name	Additional Test Required
<input type="checkbox"/>	1G	1G	<input type="checkbox"/>
<input type="checkbox"/>	1G+	1GP	<input checked="" type="checkbox"/>
<input type="checkbox"/>	2G	2G	<input type="checkbox"/>
<input type="checkbox"/>	2G+	2GP	<input checked="" type="checkbox"/>
<input type="checkbox"/>	3G	3G	<input type="checkbox"/>
<input type="checkbox"/>	3G+	3GP	<input checked="" type="checkbox"/>

## 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 **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

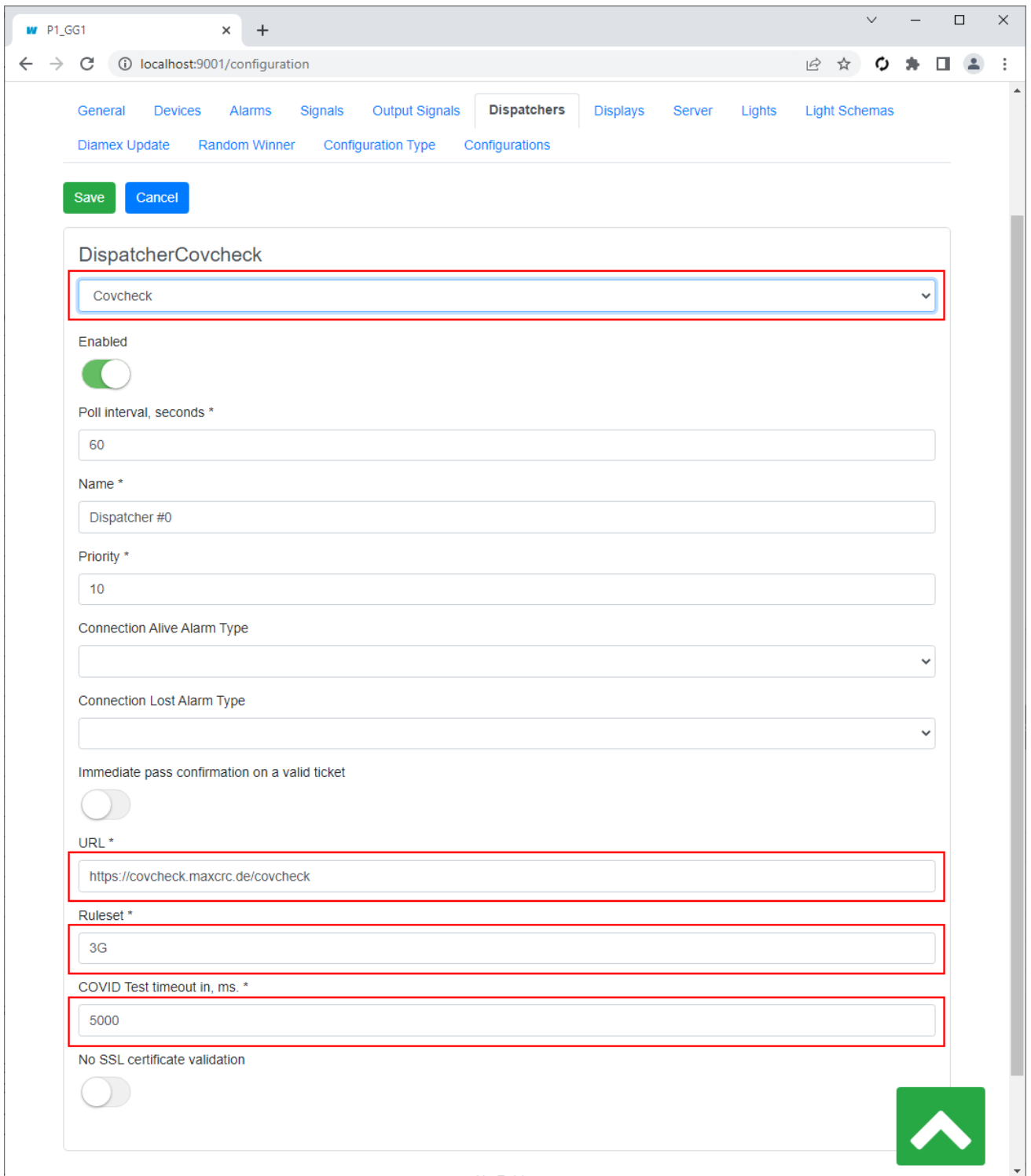
**Ruleset**

Ruleset for validating COVID certificates and tests

**COVID Test timeout, ms**

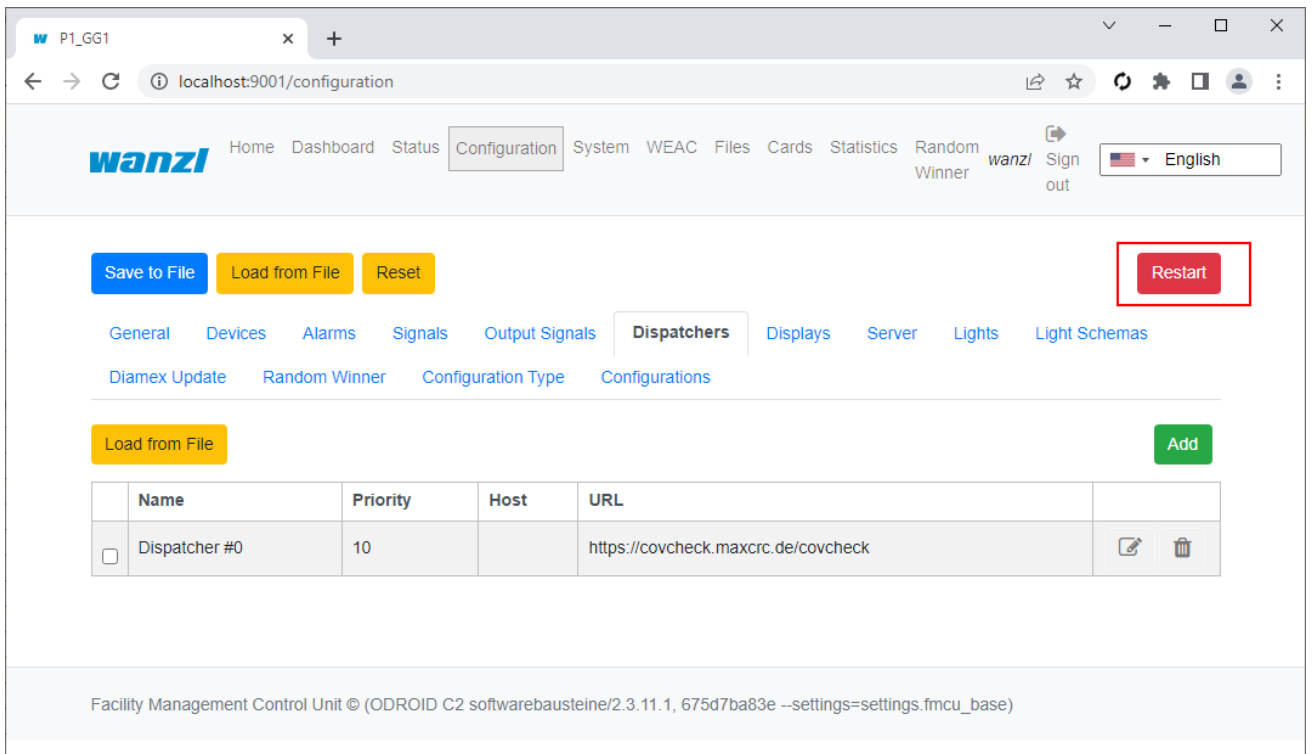
When a COVID test is required, specifies the timeout of waiting for it







Restart the gate:

## Covcheck

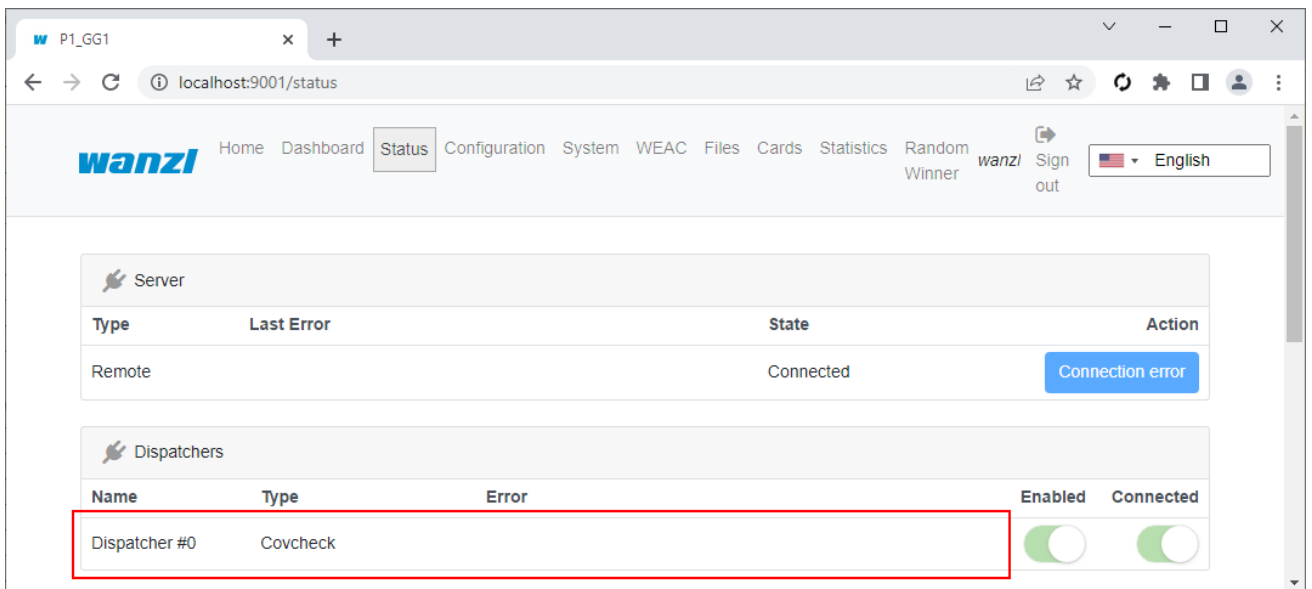


The screenshot shows the Wanzl configuration interface for the Covcheck server. The browser address bar shows `localhost:9001/configuration`. The navigation menu includes Home, Dashboard, Status, Configuration, System, WEAC, Files, Cards, Statistics, Random Winner, and Sign out. The user is logged in as 'wanzl'. The 'Configuration' tab is active, and the 'Dispatchers' sub-tab is selected. A red box highlights the 'Restart' button. Below the navigation, there are buttons for 'Save to File', 'Load from File', 'Reset', and 'Add'. A table lists the configured dispatchers:

	Name	Priority	Host	URL	
<input type="checkbox"/>	Dispatcher #0	10		https://covcheck.maxcrc.de/covcheck	 

At the bottom, the footer reads: Facility Management Control Unit © (ODROID C2 softwarebausteine/2.3.11.1, 675d7ba83e --settings=settings.fmcu\_base)

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



The screenshot shows the Wanzl status interface. The browser address bar shows `localhost:9001/status`. The navigation menu includes Home, Dashboard, Status, Configuration, System, WEAC, Files, Cards, Statistics, Random Winner, and Sign out. The user is logged in as 'wanzl'. The 'Status' tab is active. The 'Server' section shows a table with columns: Type, Last Error, State, and Action. The 'Dispatchers' section shows a table with columns: Name, Type, Error, Enabled, and Connected. A red box highlights the 'Dispatcher #0' row in the Dispatchers table.

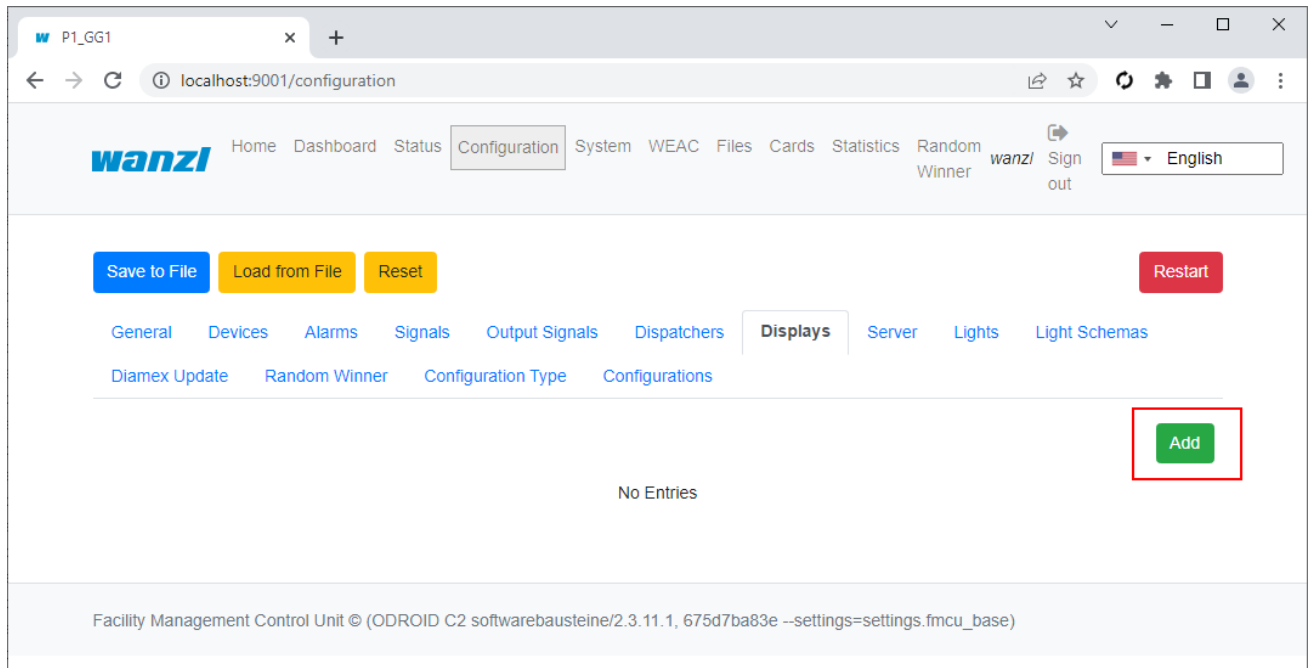
Type	Last Error	State	Action
Remote		Connected	<a href="#">Connection error</a>

Name	Type	Error	Enabled	Connected
Dispatcher #0	Covcheck		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

## Display

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



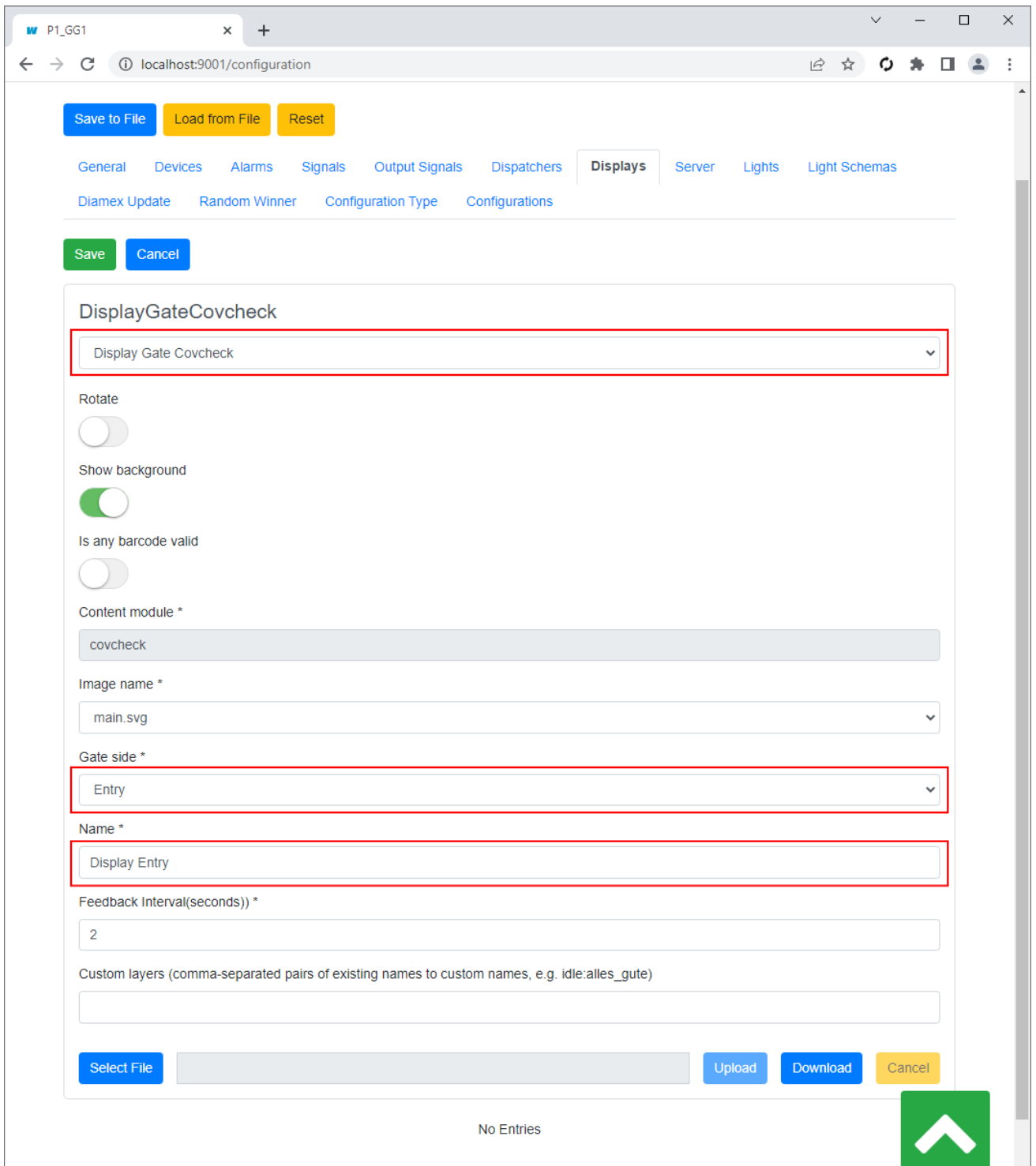
In the combo box under the title **Display** select **Display Gate Covcheck**, modify the following properties if needed and click **Save**:

**Gate side**

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

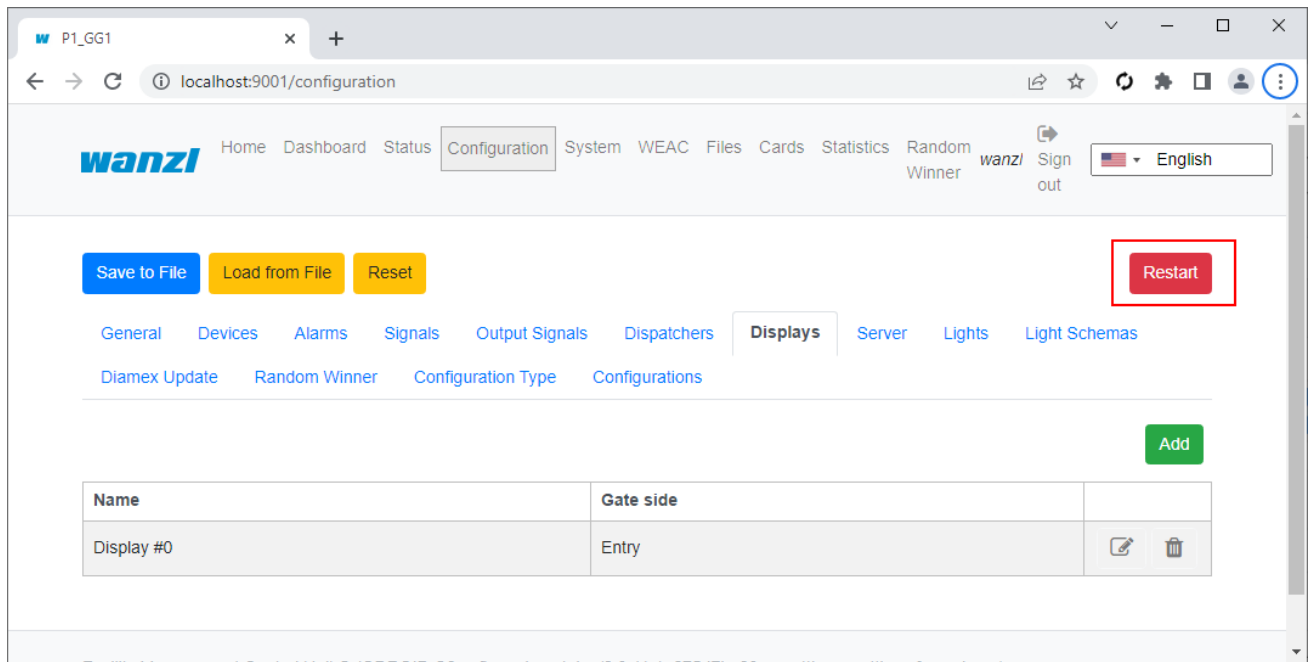
**Name**

User-friendly name

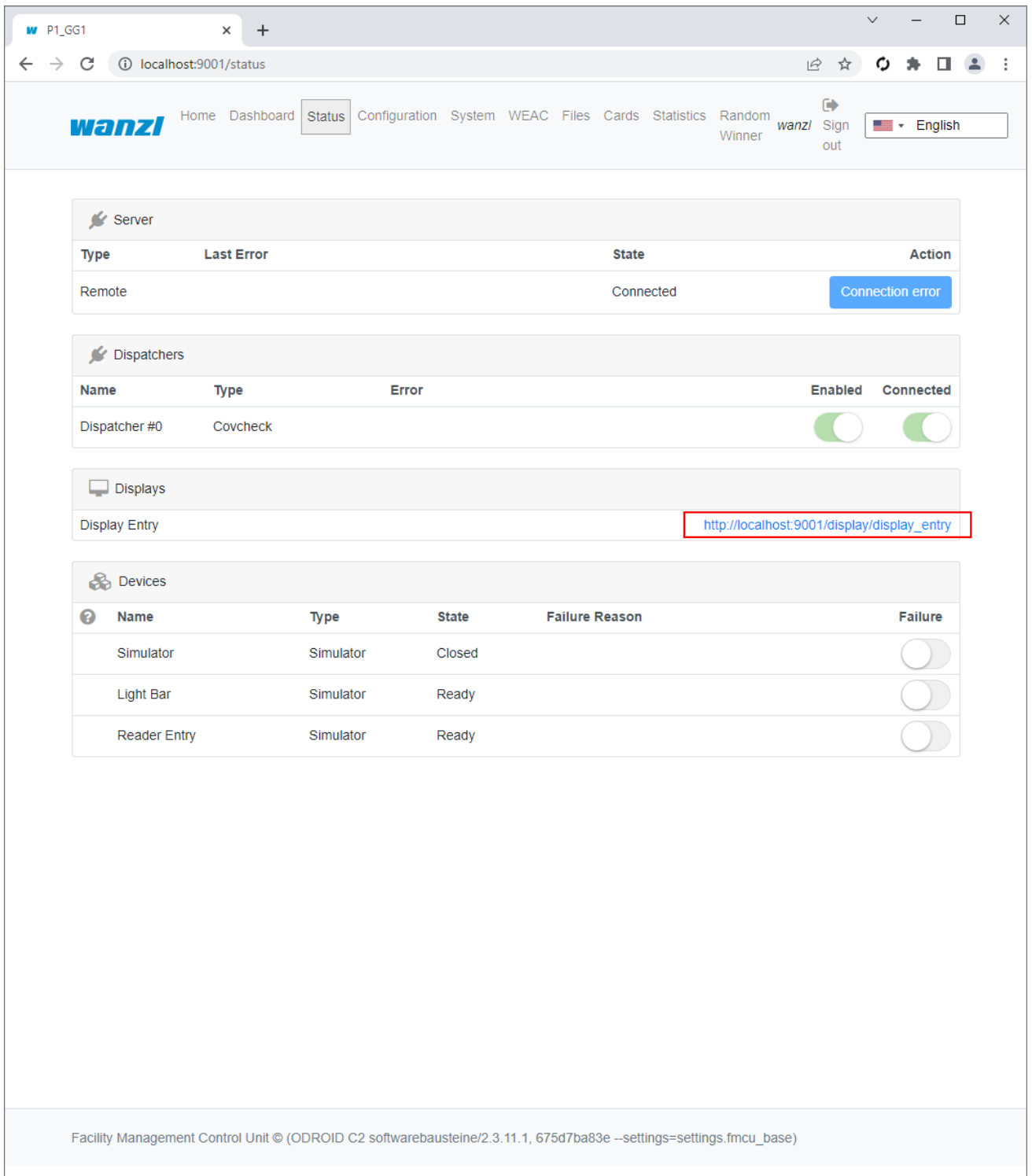


The screenshot shows a web browser window at localhost:9001/configuration. The interface includes a top navigation bar with buttons for 'Save to File', 'Load from File', and 'Reset'. Below this is a menu with 'Displays' selected. The main configuration area for 'DisplayGateCovcheck' contains several fields: a dropdown menu for 'Display Gate Covcheck', three toggle switches for 'Rotate', 'Show background', and 'Is any barcode valid', a text input for 'Content module \*' (value: covcheck), a dropdown for 'Image name \*' (value: main.svg), a dropdown for 'Gate side \*' (value: Entry), a text input for 'Name \*' (value: Display Entry), a text input for 'Feedback Interval(seconds) \*' (value: 2), and a text input for 'Custom layers (comma-separated pairs of existing names to custom names, e.g. idle:alles\_gute)'. At the bottom, there are buttons for 'Select File', 'Upload', 'Download', and 'Cancel'. A green arrow button is visible in the bottom right corner of the browser window.

Restart the gate:



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



Wanzl Home Dashboard **Status** Configuration System WEAC Files Cards Statistics Random Winner wanzl Sign out

Server

Type	Last Error	State	Action
Remote		Connected	Connection error

Dispatchers

Name	Type	Error	Enabled	Connected
Dispatcher #0	Covcheck		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Displays

Display Entry	URL
Display Entry	<a href="http://localhost:9001/display/display_entry">http://localhost:9001/display/display_entry</a>

Devices

Name	Type	State	Failure Reason	Failure
Simulator	Simulator	Closed		<input type="checkbox"/>
Light Bar	Simulator	Ready		<input type="checkbox"/>
Reader Entry	Simulator	Ready		<input type="checkbox"/>

Facility Management Control Unit © (ODROID C2 softwarebausteine/2.3.11.1, 675d7ba83e --settings=settings.fmcu\_base)

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





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





The screenshot shows a web browser window with the address bar containing 'localhost:9001/display/display\_er' and 'localhost:9001/display/display\_entry'. The main content area has a light blue background and features a blue icon of a hand holding a smartphone. Below the icon, the text reads 'Bitte Test-Zertificat scannen' in a large, bold, blue font. At the bottom, there is a large blue number '5' followed by a blue hourglass icon, indicating a 5-minute time limit.

