

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	8
4.1 Dispatcher	8
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**), 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
```

Covcheck

- 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
```

Covcheck

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

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

git-submodule-status

information about git submodules that comprise the Covcheck application server

install-covid.sh

primary installation script

nginx-vhost

template vhost file for nginx

odoo.conf

configuration file for ODOO

README.md

this file

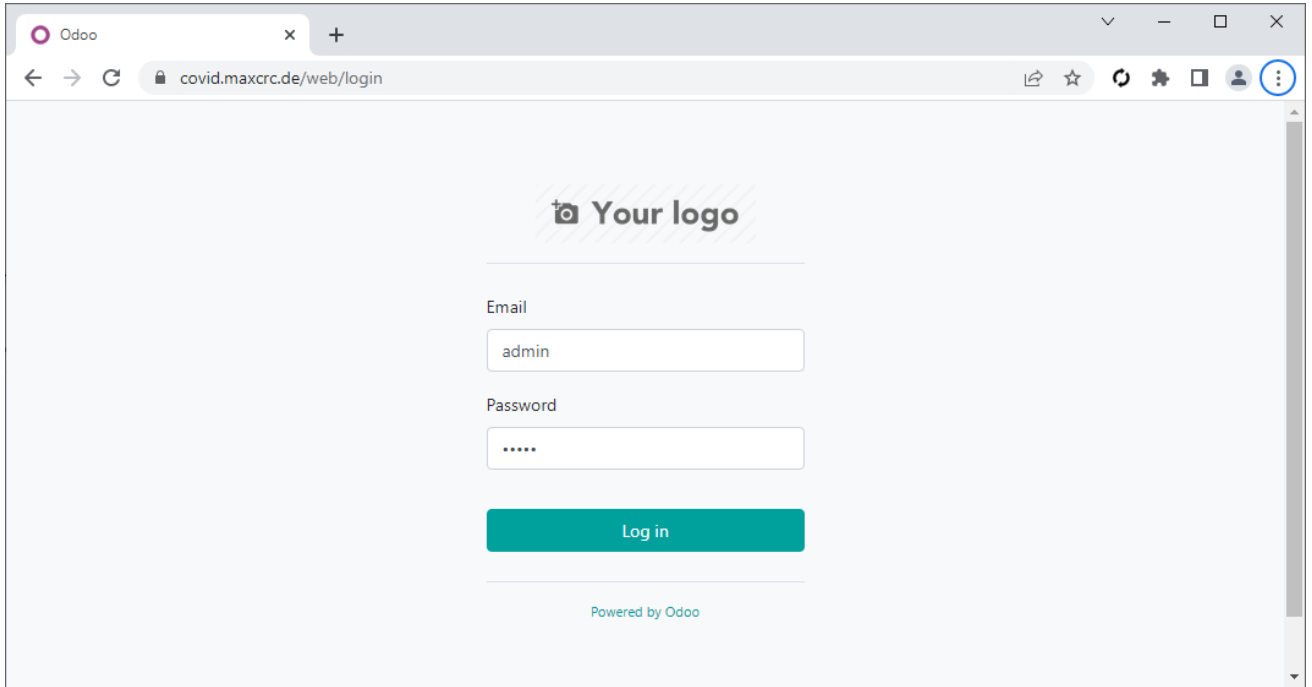
Configuration of Covcheck Application Server

Change Default Password

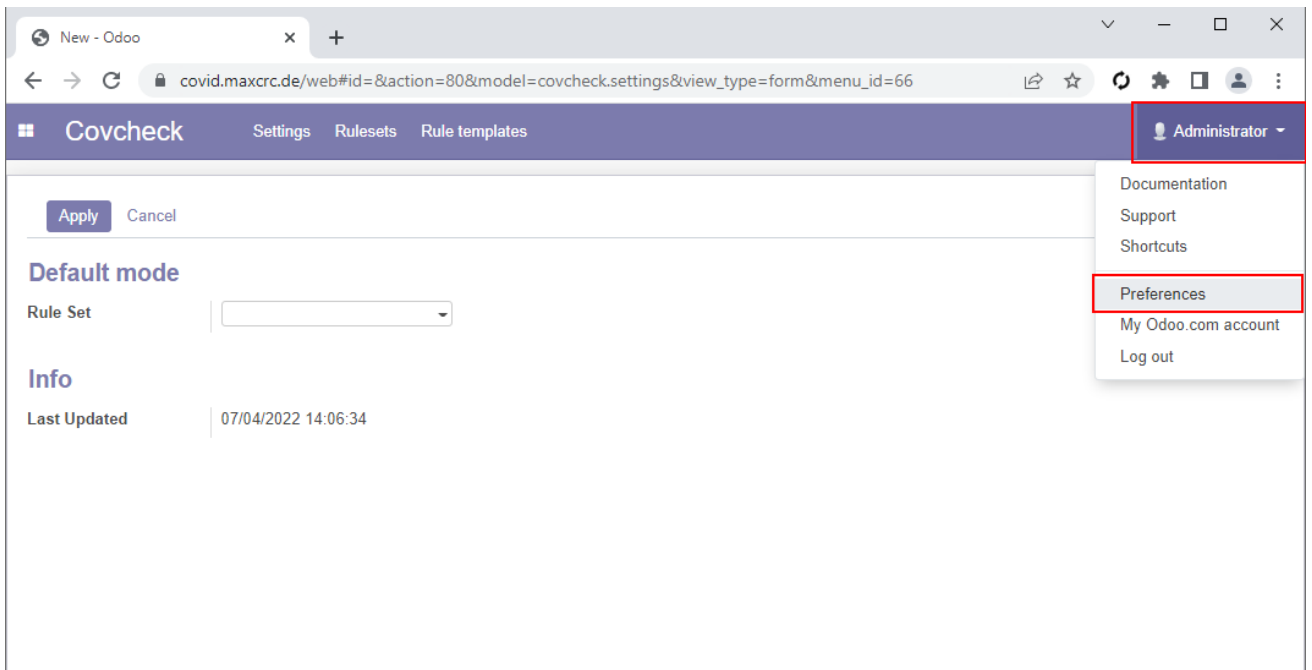
Open the address of the server in a browser and logging using the following default credentials:

Username	Password
----------	----------

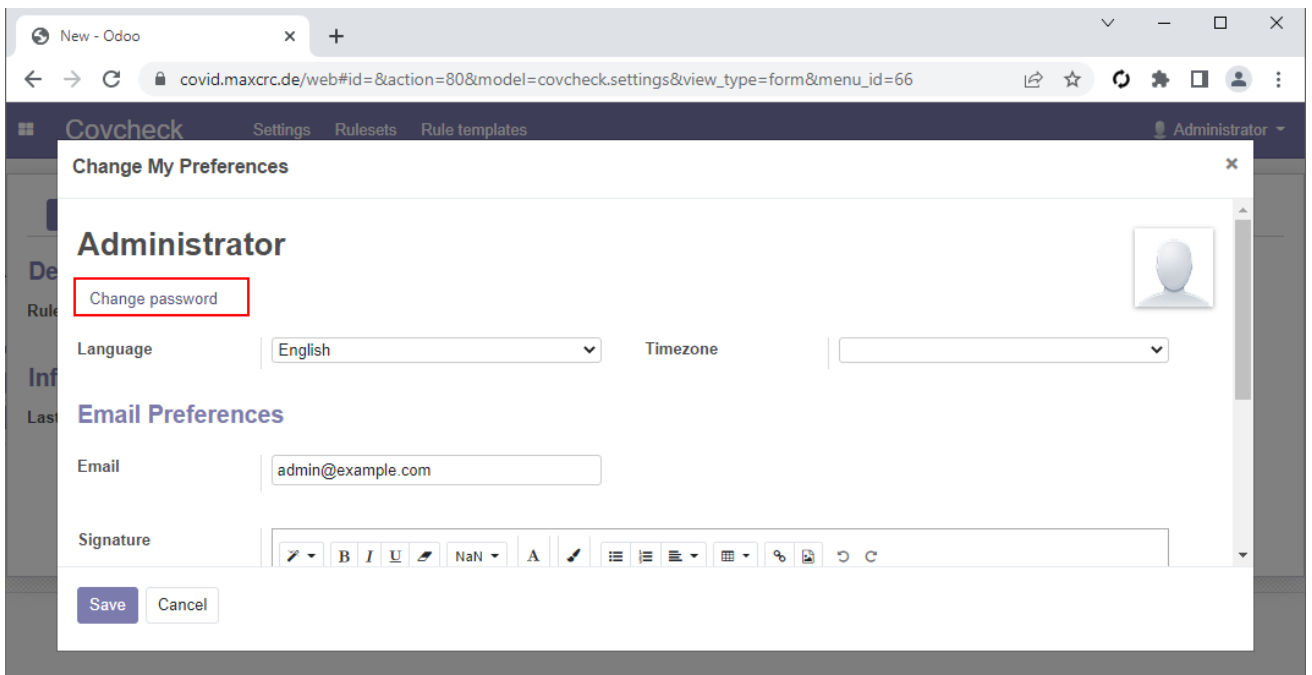
admin	admin
-------	-------



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

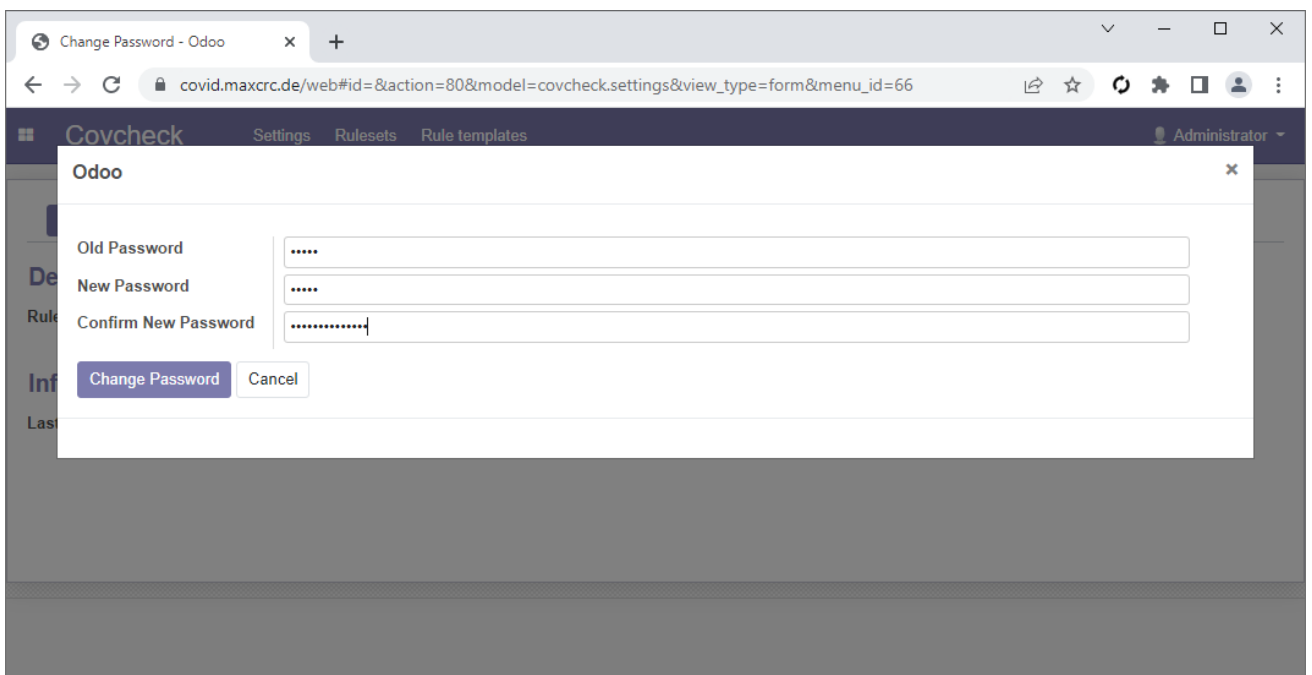


In the opened window click **Change password**:



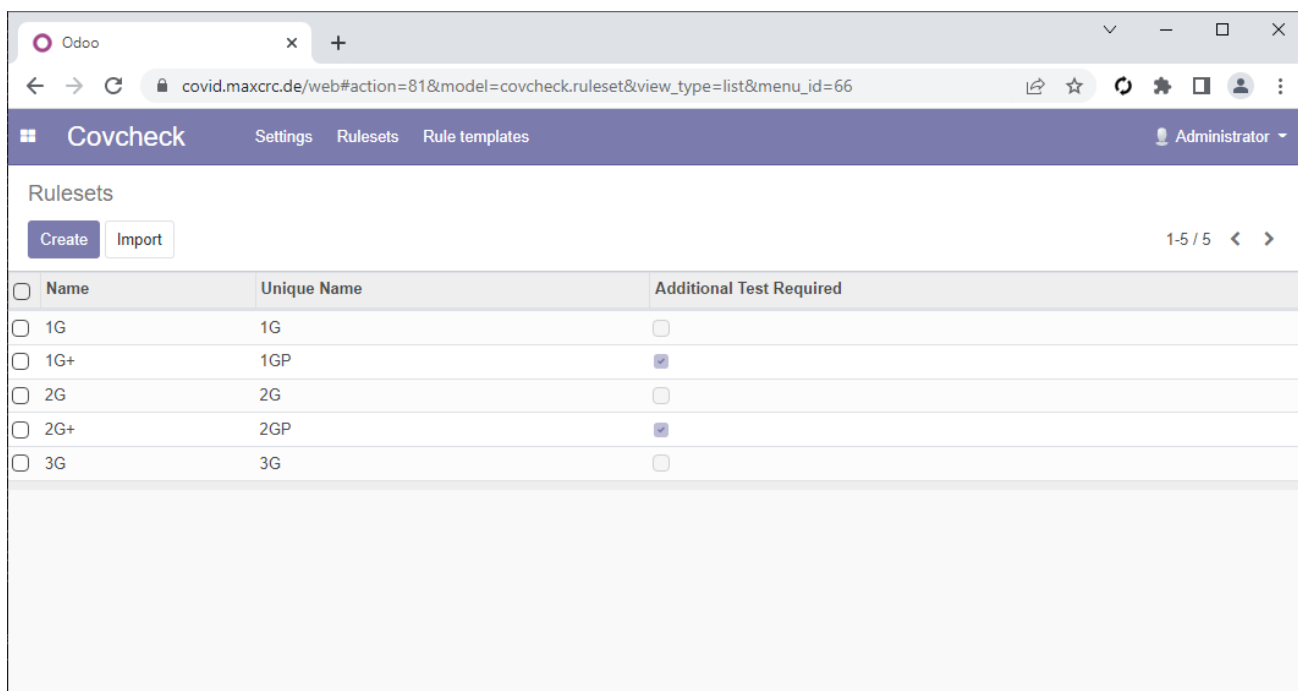
Fill-in the following fields and then click **Change Password**:

- Old Password
- New Password
- Confirm New Password

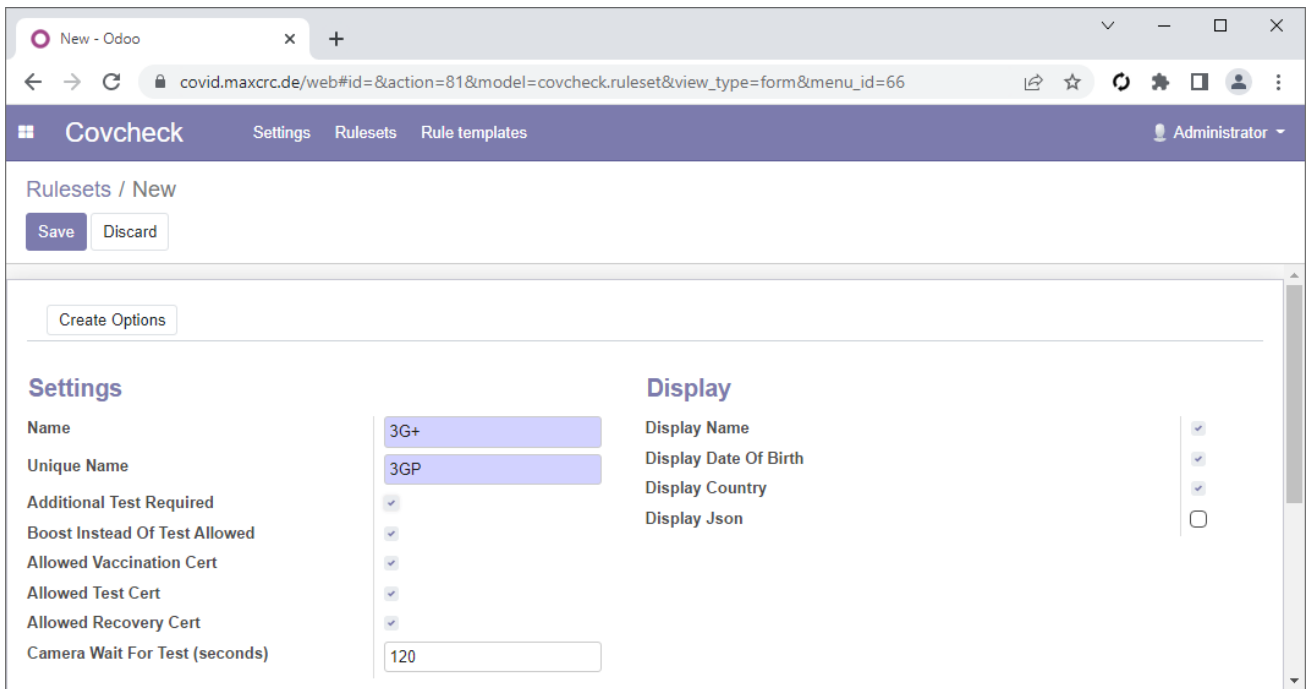


Managing Rulesets

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**:



Rulesets / New

Save Discard

Create Options

Settings

Name: 3G+

Unique Name: 3GP

Additional Test Required:

Boost Instead Of Test Allowed:

Allowed Vaccination Cert:

Allowed Test Cert:

Allowed Recovery Cert:

Camera Wait For Test (seconds): 120

Display

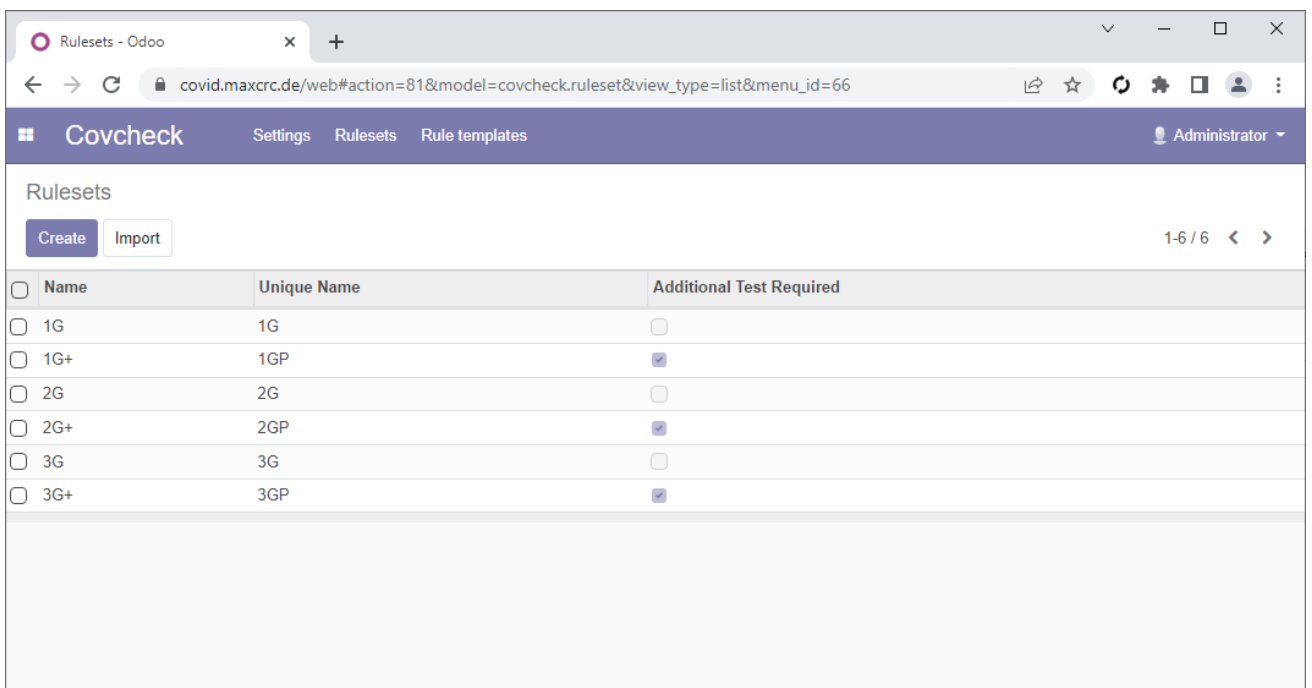
Display Name:

Display Date Of Birth:

Display Country:

Display Json:

The list now includes the **3G+** ruleset:



Rulesets

Create Import

1-6 / 6 < >

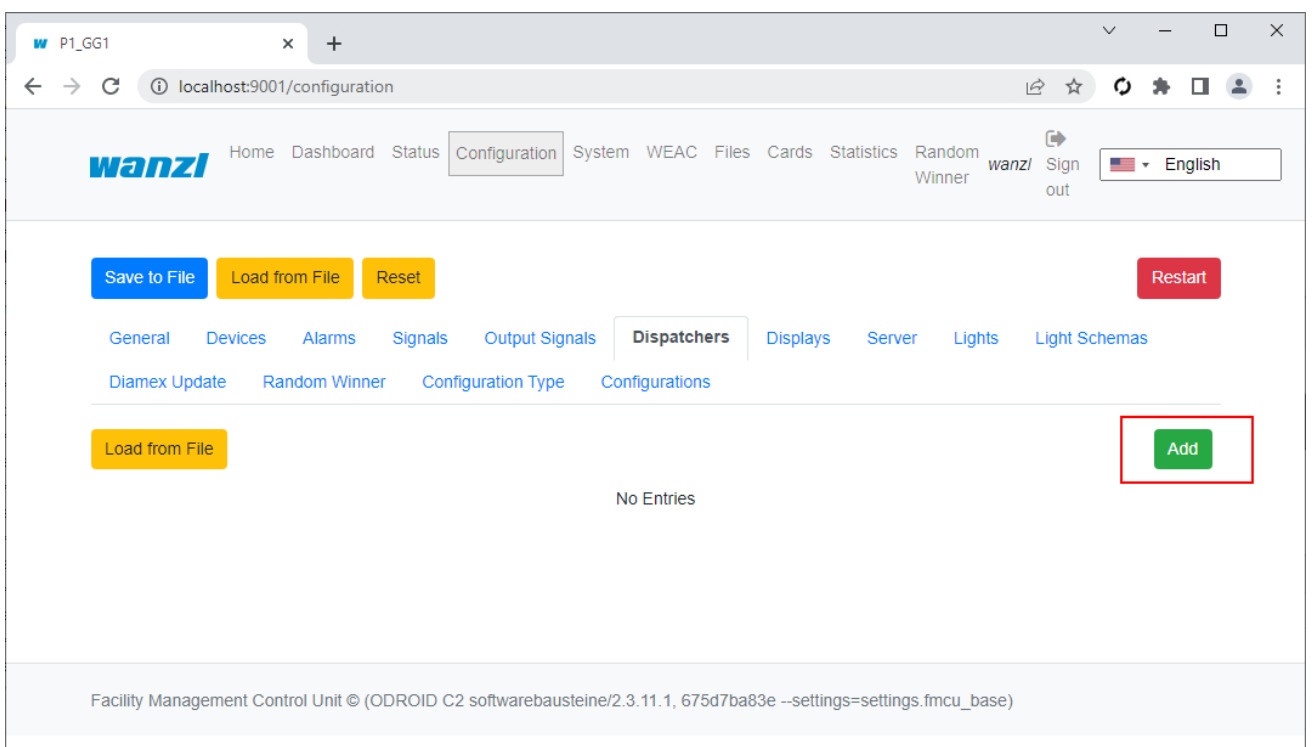
<input type="checkbox"/>	Name	Unique Name	Additional Test Required
<input type="checkbox"/>	1G	1G	<input type="checkbox"/>
<input type="checkbox"/>	1G+	1GP	<input checked="" type="checkbox"/>
<input type="checkbox"/>	2G	2G	<input type="checkbox"/>
<input type="checkbox"/>	2G+	2GP	<input checked="" type="checkbox"/>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



Save Cancel

DispatcherCovcheck

Covcheck

Enabled

Poll interval, seconds *
60

Name *
Dispatcher #0

Priority *
10

Connection Alive Alarm Type

Connection Lost Alarm Type


Immediate pass confirmation on a valid ticket

URL *
https://covcheck.maxcrc.de/covcheck

Ruleset *
3G

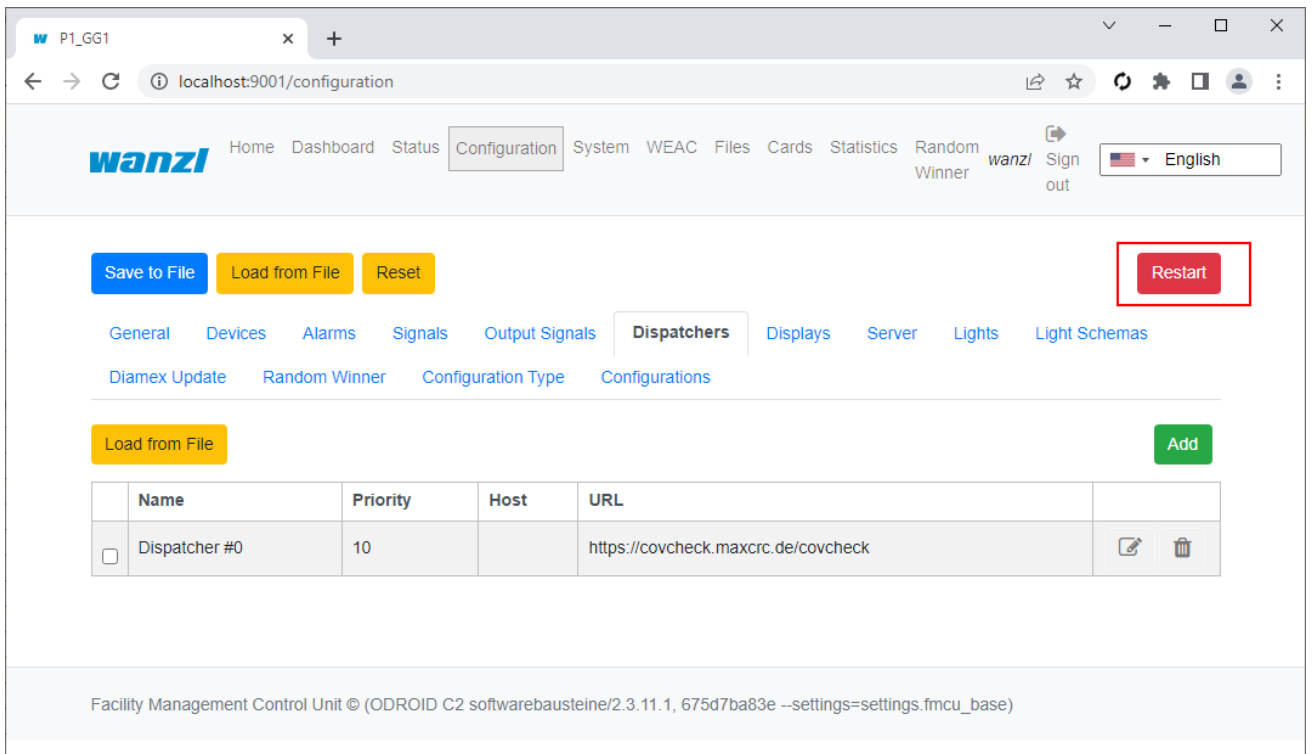
COVID Test timeout in, ms. *
5000

No SSL certificate validation





Restart the gate:

Covcheck

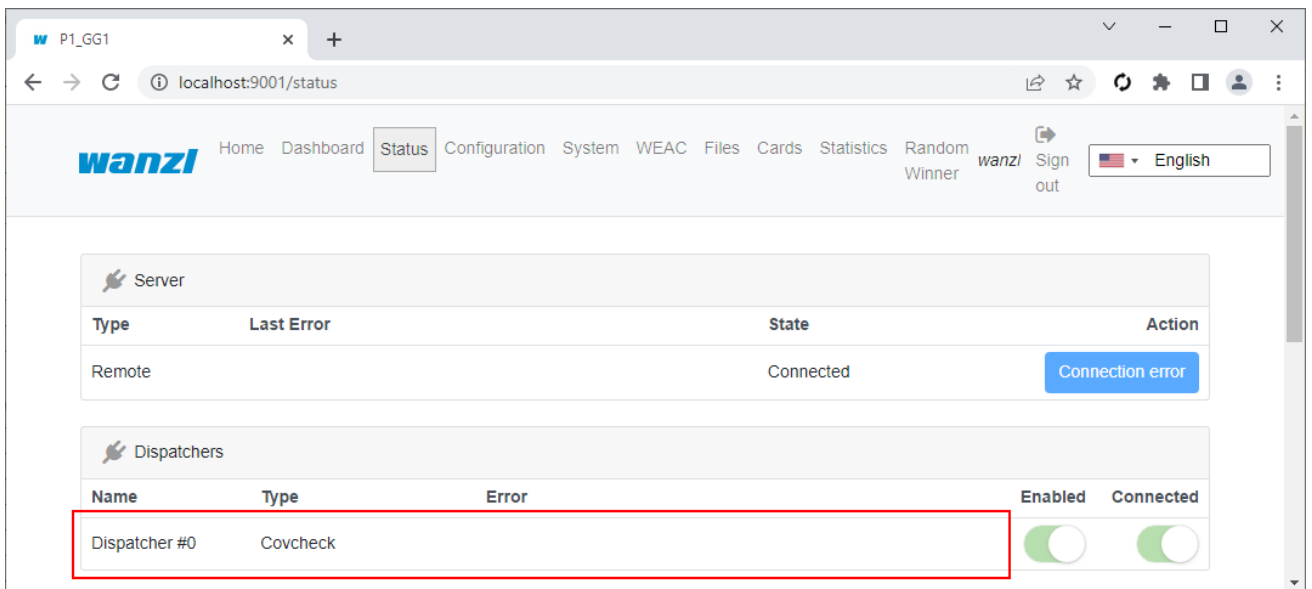


The screenshot shows the Wanzl Configuration page for the Covcheck server. The browser address bar shows `localhost:9001/configuration`. The navigation menu includes Home, Dashboard, Status, Configuration, System, WEAC, Files, Cards, Statistics, Random Winner, and Sign out. The user is logged in as 'wanzl'. The main content area has buttons for 'Save to File', 'Load from File', 'Reset', and 'Restart' (highlighted with a red box). Below these are tabs for 'General', 'Devices', 'Alarms', 'Signals', 'Output Signals', 'Dispatchers', 'Displays', 'Server', 'Lights', and 'Light Schemas'. Under the 'Dispatchers' tab, there is a 'Load from File' button and an 'Add' button. 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:



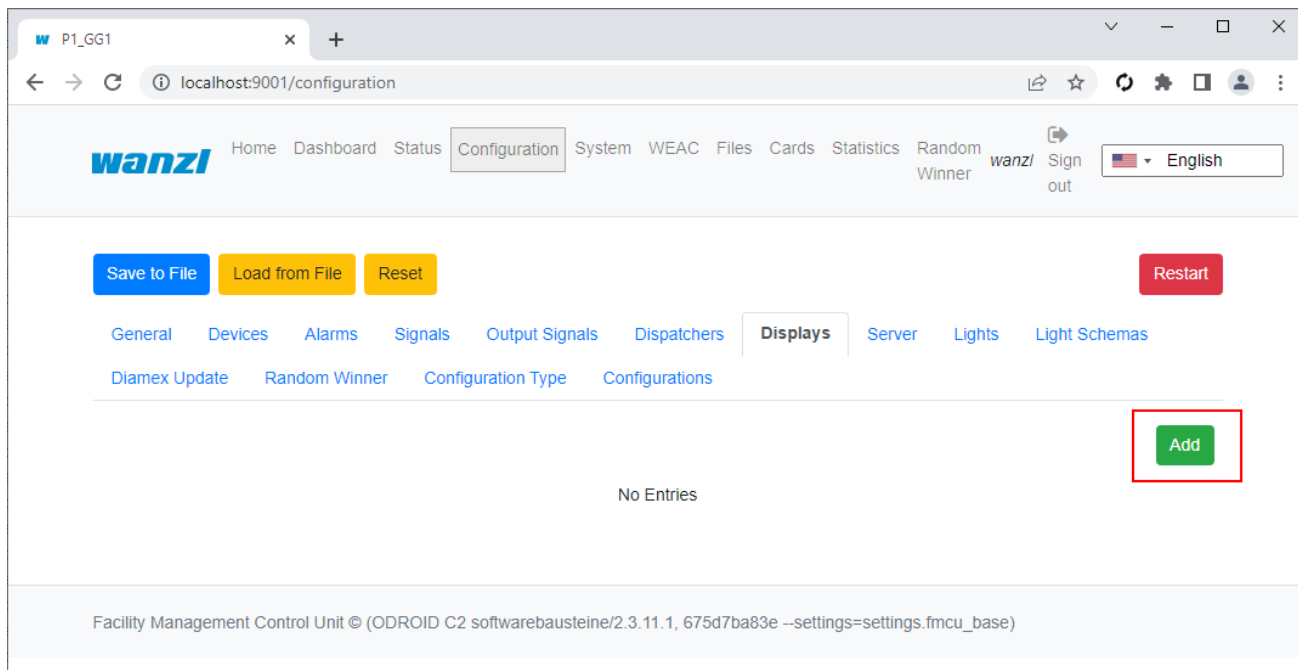
The screenshot shows the Wanzl Status page. The browser address bar shows `localhost:9001/status`. The navigation menu includes Home, Dashboard, Status, Configuration, System, WEAC, Files, Cards, Statistics, Random Winner, and Sign out. The user is logged in as 'wanzl'. The main content area shows the status of the server and dispatchers. 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'. The 'Dispatcher #0' row is highlighted with a red box, showing an empty 'Error' field and both 'Enabled' and 'Connected' toggle switches turned on.

Type	Last Error	State	Action
Remote		Connected	Connection error

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



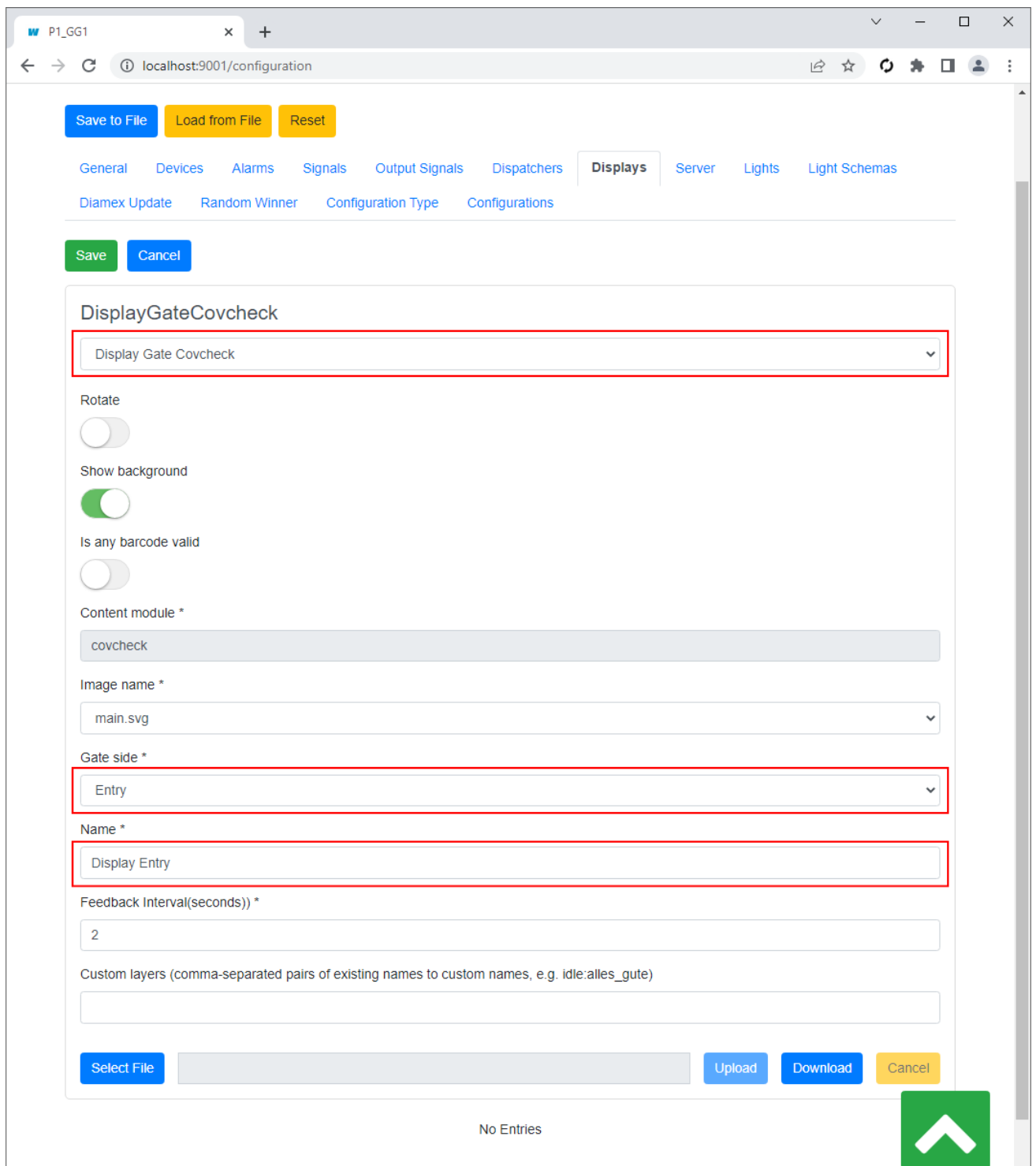
In the combo box under the title **Display** select **Display Gate Covcheck**, modify the following properties if needed and click **Save**:

Gate side

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

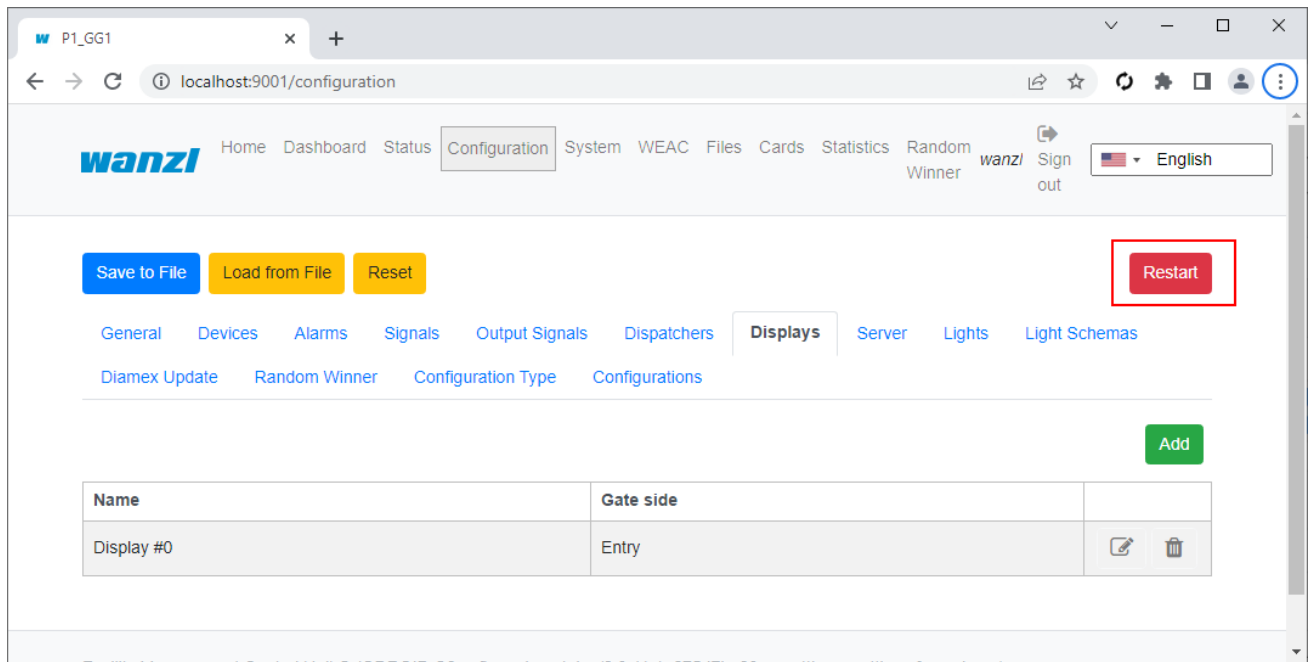
Name

User-friendly name

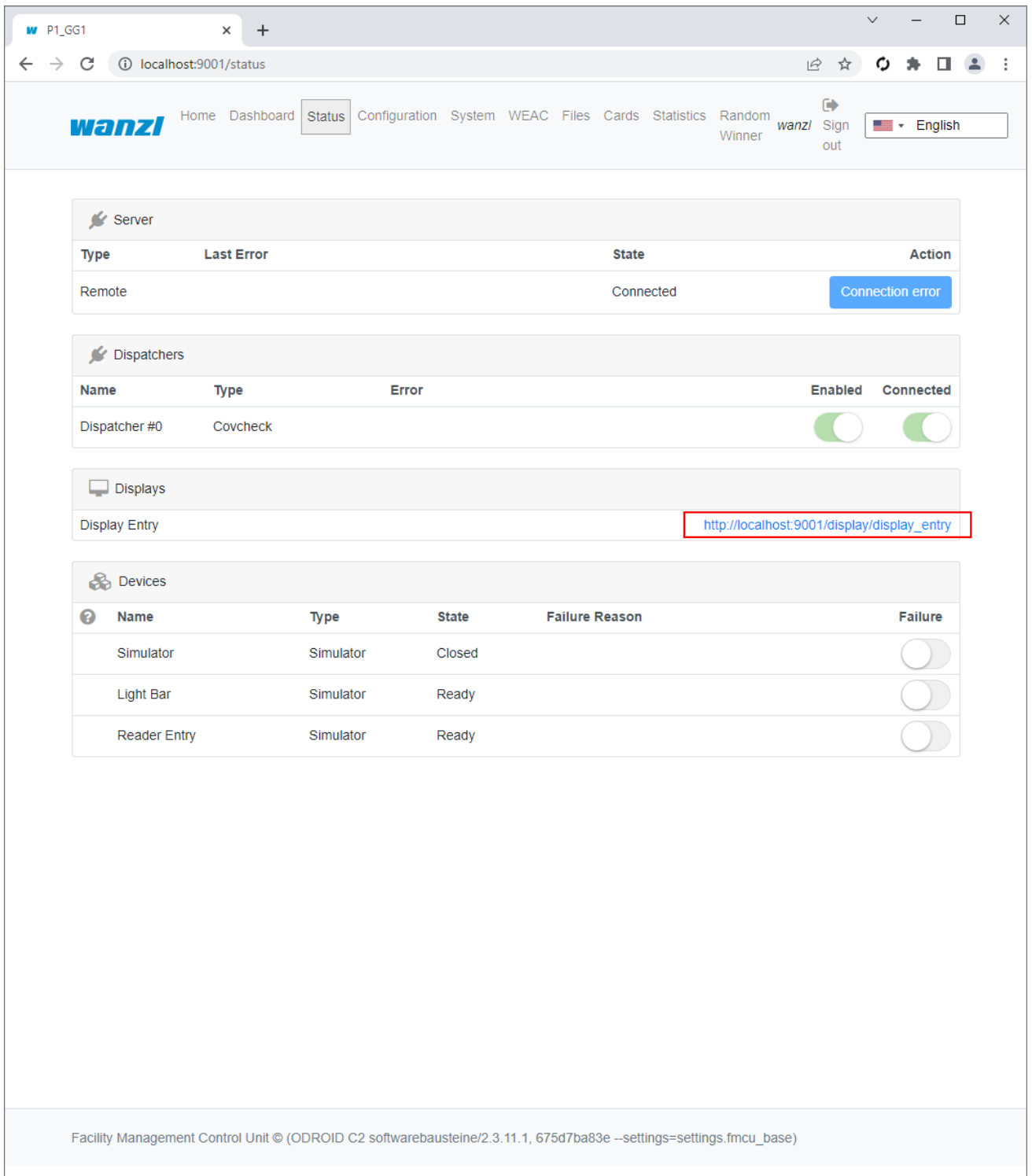


The screenshot shows a web browser window at localhost:9001/configuration. The interface includes navigation tabs for General, Devices, Alarms, Signals, Output Signals, Dispatchers, **Displays**, Server, Lights, and Light Schemas. Below these are sub-tabs for Diamex Update, Random Winner, Configuration Type, and Configurations. At the top of the configuration area are buttons for 'Save to File', 'Load from File', and 'Reset'. Below that are 'Save' and 'Cancel' buttons. The main configuration section is titled 'DisplayGateCovcheck' and contains several fields: a dropdown menu for 'Display Gate Covcheck' (highlighted with a red box), a 'Rotate' toggle (off), a 'Show background' toggle (on), an 'Is any barcode valid' toggle (off), a 'Content module *' field with 'covcheck' selected, an 'Image name *' dropdown with 'main.svg', a 'Gate side *' dropdown with 'Entry' (highlighted with a red box), a 'Name *' field with 'Display Entry' (highlighted with a red box), a 'Feedback Interval(seconds) *' field with '2', and a 'Custom layers' field. At the bottom of the configuration area are 'Select File', 'Upload', 'Download', and 'Cancel' buttons. Below the configuration area, it says 'No Entries' and there is a green arrow button pointing up.

Restart the gate:



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



The screenshot shows the 'wanzi' web interface for a 'P1_GG1' device. The browser address bar shows 'localhost:9001/status'. The navigation menu includes Home, Dashboard, Status (selected), Configuration, System, WEAC, Files, Cards, Statistics, Random Winner, wanzi, and Sign out. A language dropdown is set to English.

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
	http://localhost:9001/display/display_entry

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:



