

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**)
- 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

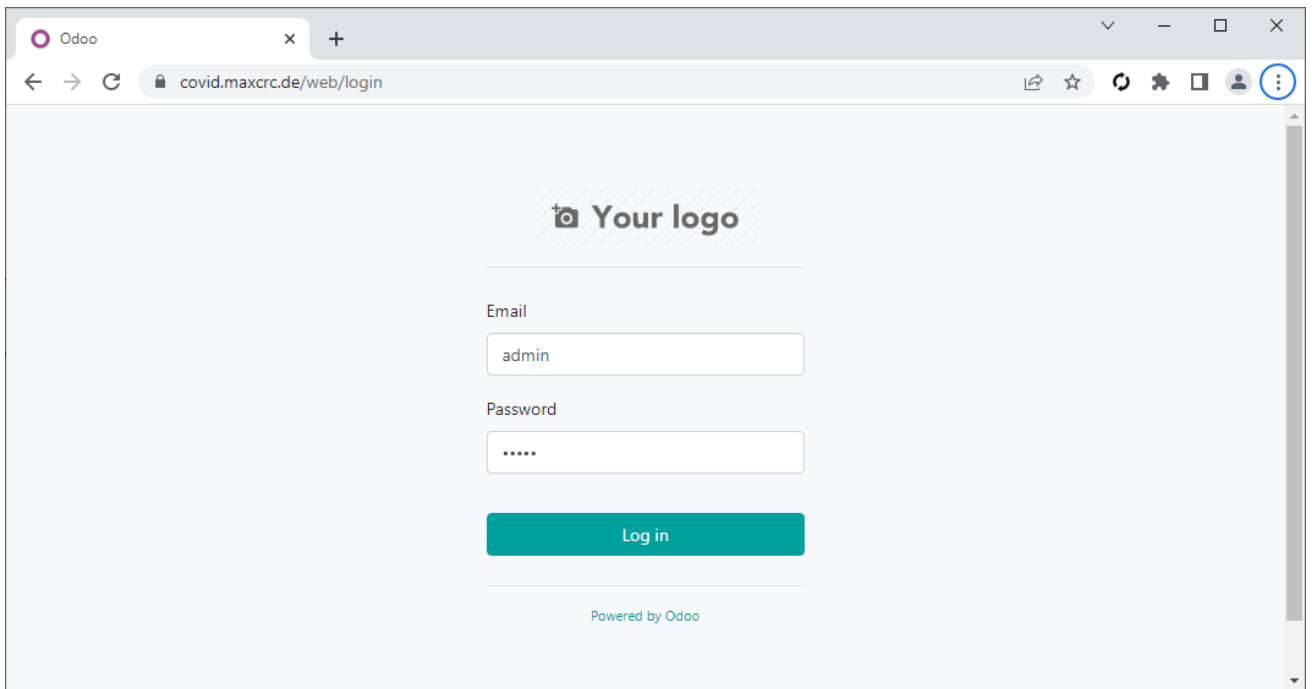
this file

Configuration of Covcheck Application Server

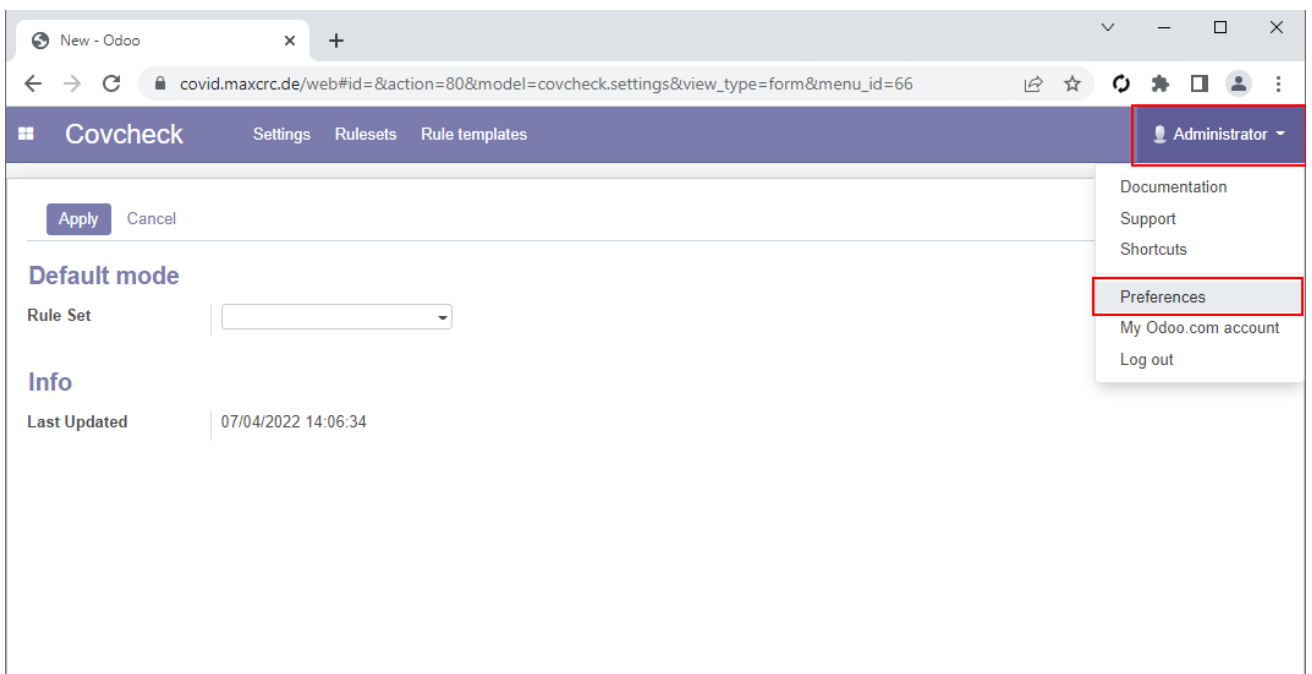
Change Default Password

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

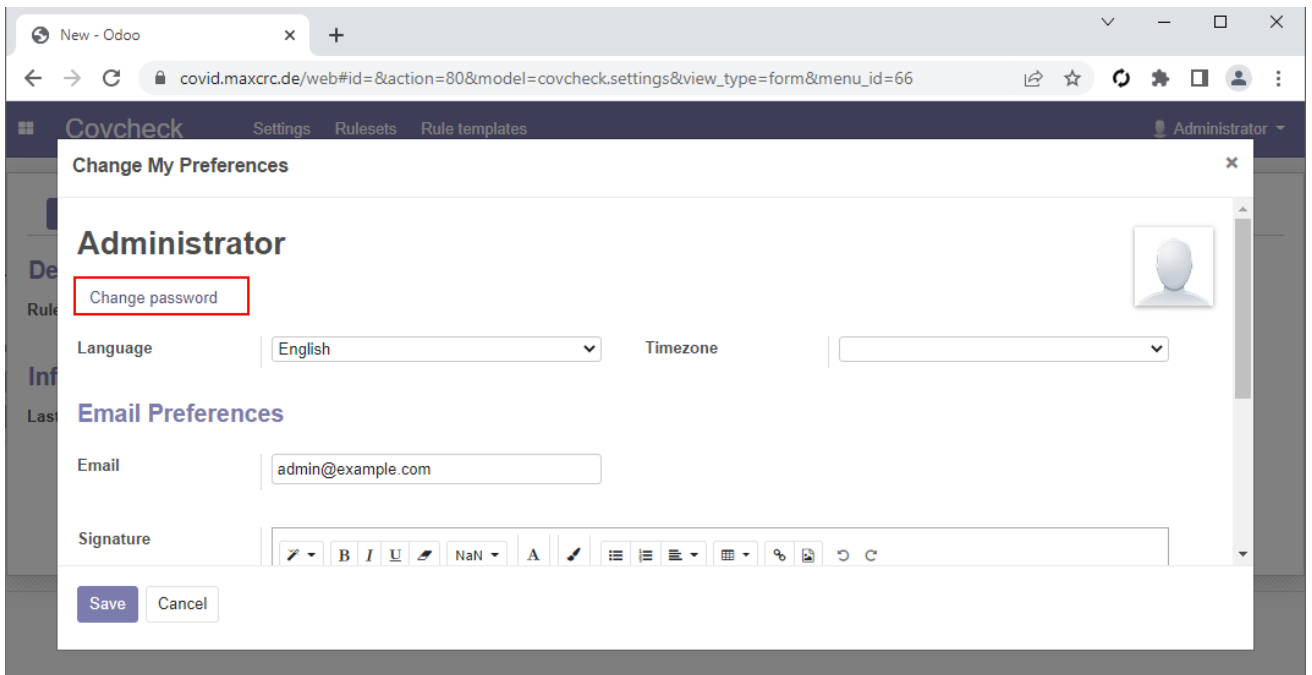
Username	Password
admin	admin



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

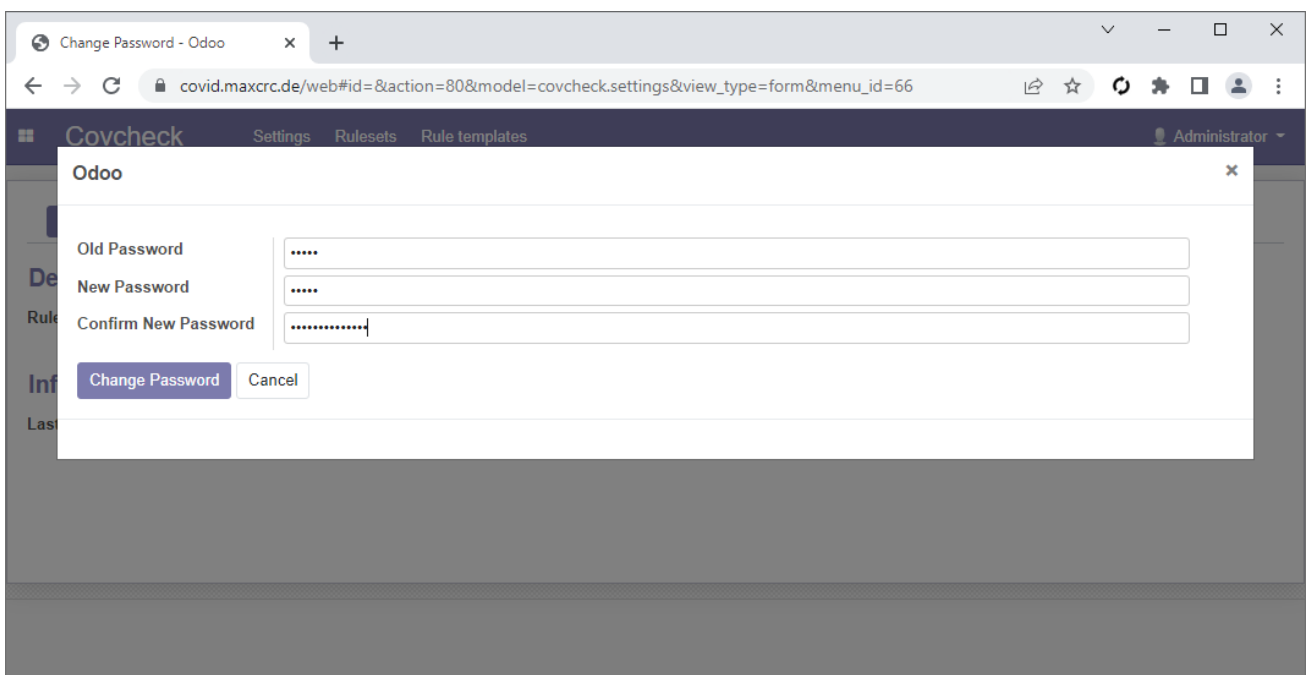


In the opened window click **Change password**:



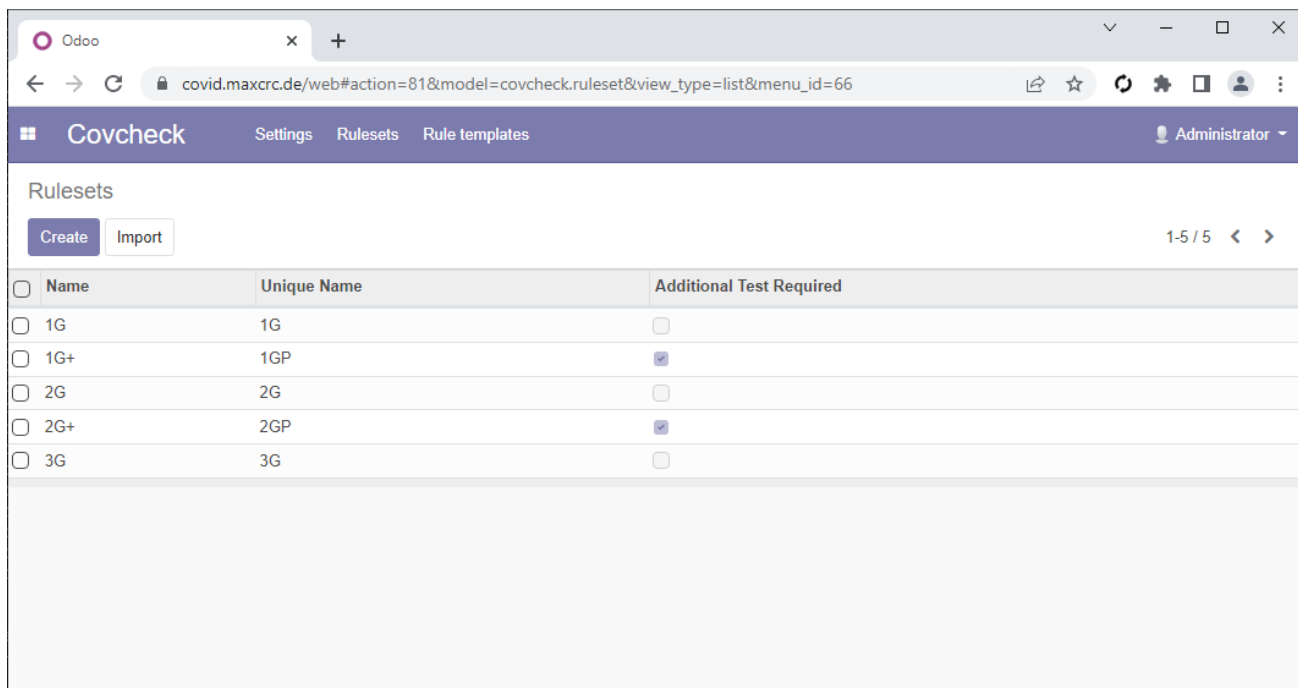
Fill-in the following fields and then click **Change Password**:

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



Managing Rulesets

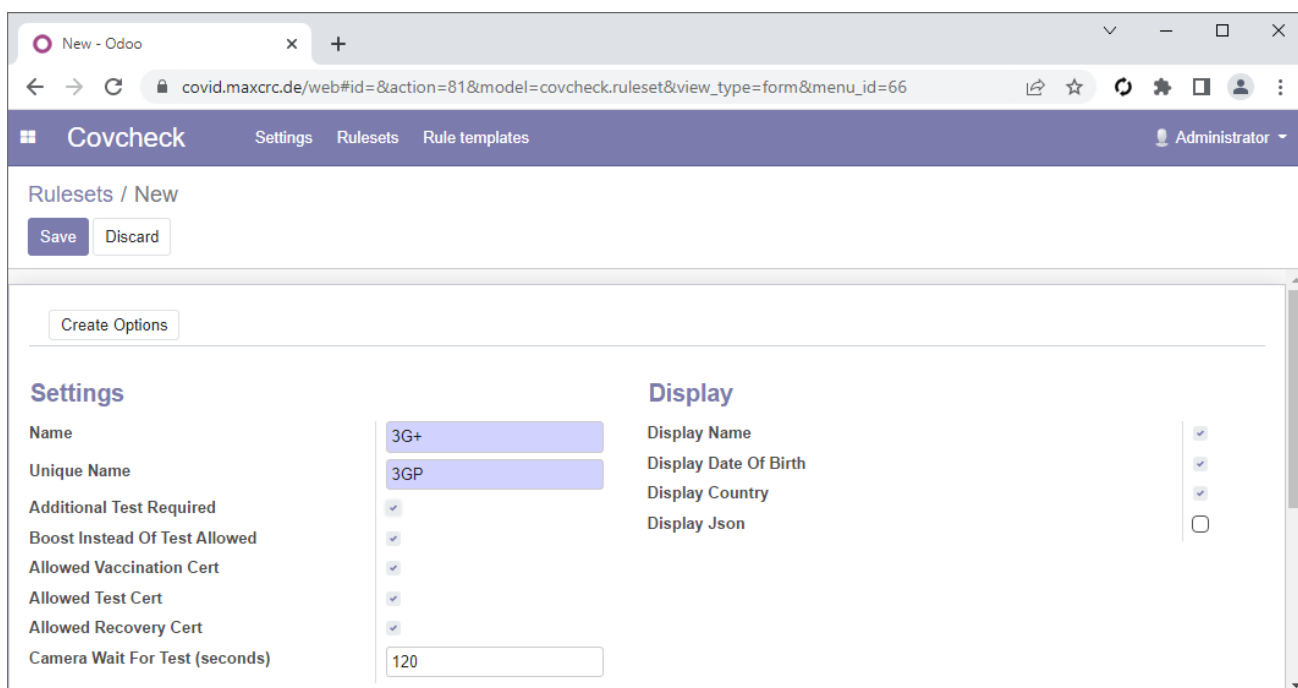
You can add, modify and delete rulesets on the **Rulesets** page:



The screenshot shows the 'Rulesets' page in the Covcheck application. The page has a navigation bar with 'Settings', 'Rulesets', and 'Rule templates'. Below the navigation bar, there are 'Create' and 'Import' buttons. A table lists the existing rulesets:

<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"/>

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 screenshot shows the 'Rulesets / New' form in the Covcheck application. The form has 'Save' and 'Discard' buttons. Below the buttons, there is a 'Create Options' button. The form is divided into two sections: 'Settings' and 'Display'.

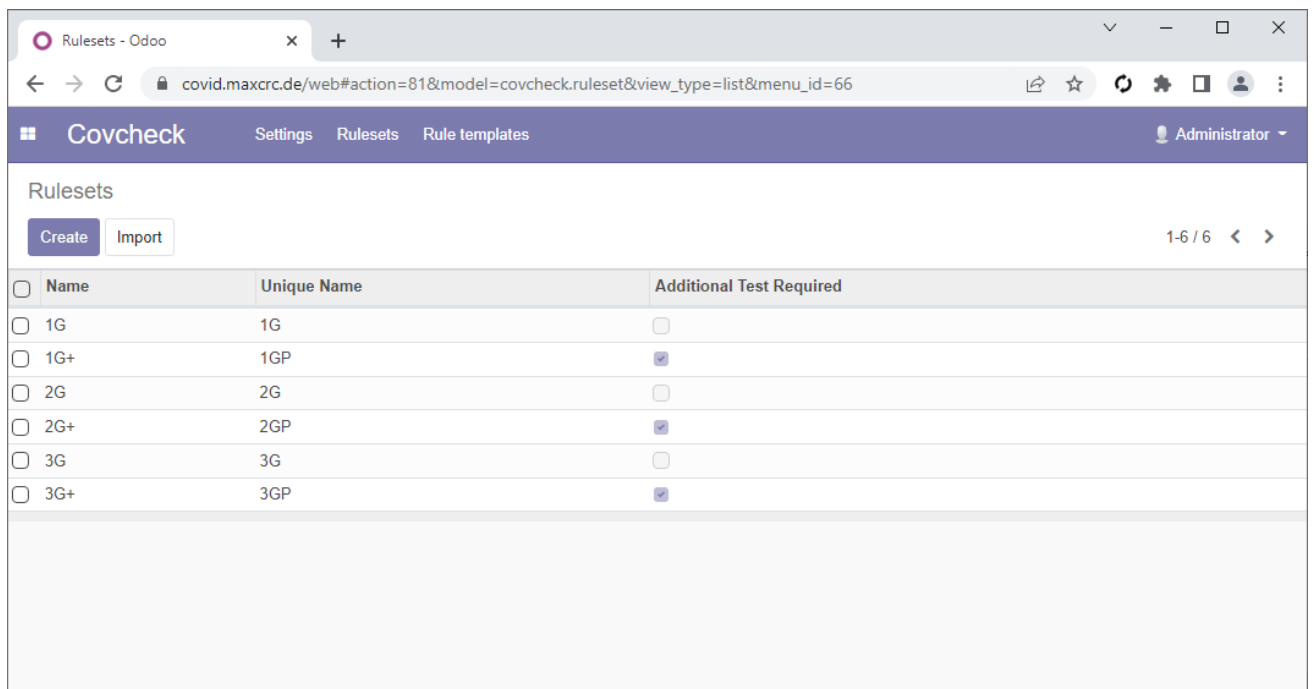
Settings

- 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:

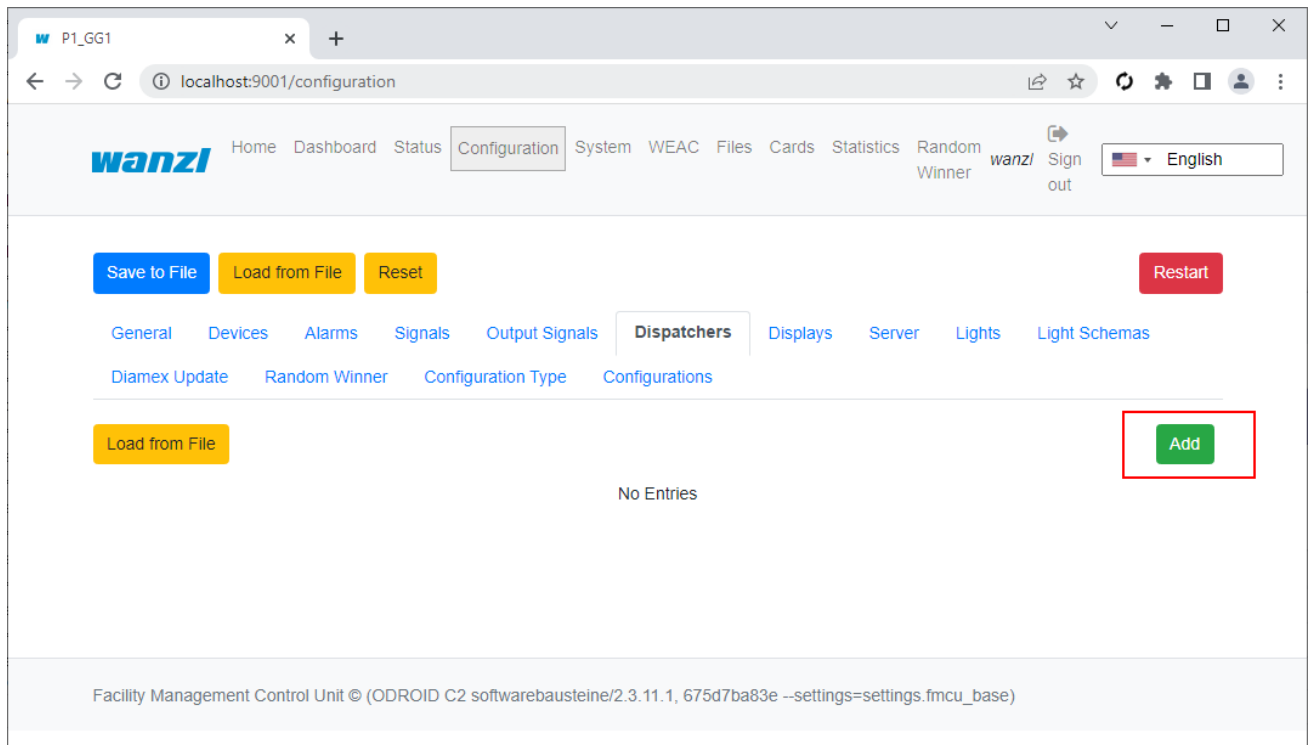


<input type="checkbox"/>	Name	Unique Name	Additional Test Required
<input type="checkbox"/>	1G	1G	<input type="checkbox"/>
<input type="checkbox"/>	1G+	1GP	<input checked="" type="checkbox"/>
<input type="checkbox"/>	2G	2G	<input type="checkbox"/>
<input type="checkbox"/>	2G+	2GP	<input checked="" type="checkbox"/>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

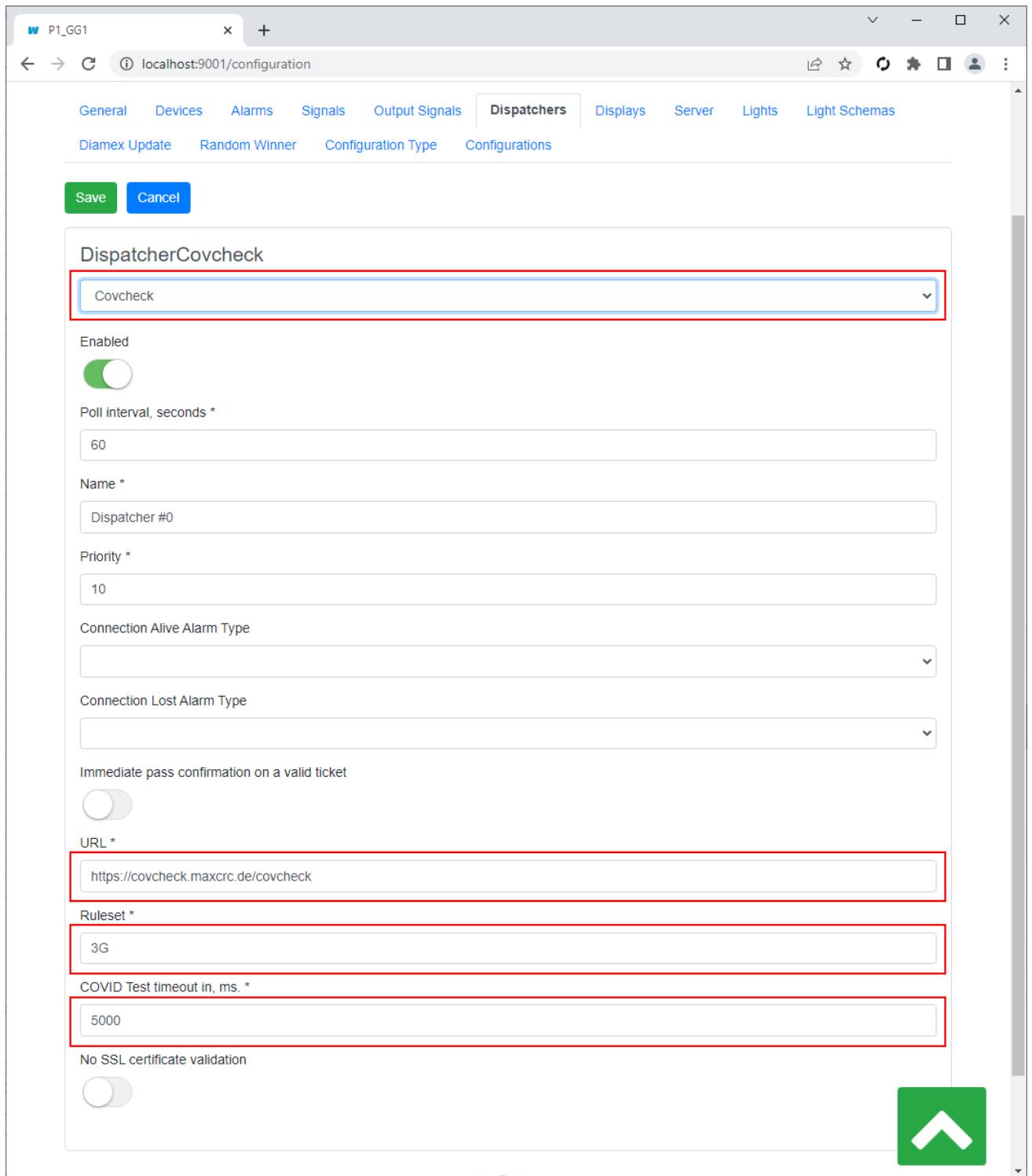
Configuration of Galaxy Gate

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

Dispatcher



The screenshot shows a web browser window with the URL `localhost:9001/configuration`. The page title is `P1_GG1`. The navigation menu includes `Home`, `Dashboard`, `Status`, `Configuration` (highlighted), `System`, `WEAC`, `Files`, `Cards`, `Statistics`, `Random Winner`, `wanzi/ Sign out`, and a language dropdown set to `English`. The main content area features several buttons: `Save to File` (blue), `Load from File` (yellow), `Reset` (yellow), and `Restart` (red). Below these are tabs for `General`, `Devices`, `Alarms`, `Signals`, `Output Signals`, `Dispatchers` (active), `Displays`, `Server`, `Lights`, and `Light Schemas`. Under the `Dispatchers` tab, there are links for `Diamex Update`, `Random Winner`, `Configuration Type`, and `Configurations`. A `Load from File` button (yellow) is on the left, and an `Add` button (green) is on the right, highlighted with a red box. The text `No Entries` is centered below the buttons. At the bottom, the footer reads: `Facility Management Control Unit © (ODROID C2 softwarebausteine/2.3.11.1, 675d7ba83e --settings=settings.fmcu_base)`.



Browser: P1_GG1
URL: localhost:9001/configuration

Navigation: General, Devices, Alarms, Signals, Output Signals, **Dispatchers**, Displays, Server, Lights, Light Schemas
Sub-navigation: Diamex Update, Random Winner, Configuration Type, Configurations

Buttons: Save, Cancel

DispatcherCovcheck

Dispatcher: Covcheck

Enabled:

Poll interval, seconds *: 60

Name *: Dispatcher #0

Priority *: 10

Connection Alive Alarm Type: [Empty]

Connection Lost Alarm Type: [Empty]


Immediate pass confirmation on a valid ticket:

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

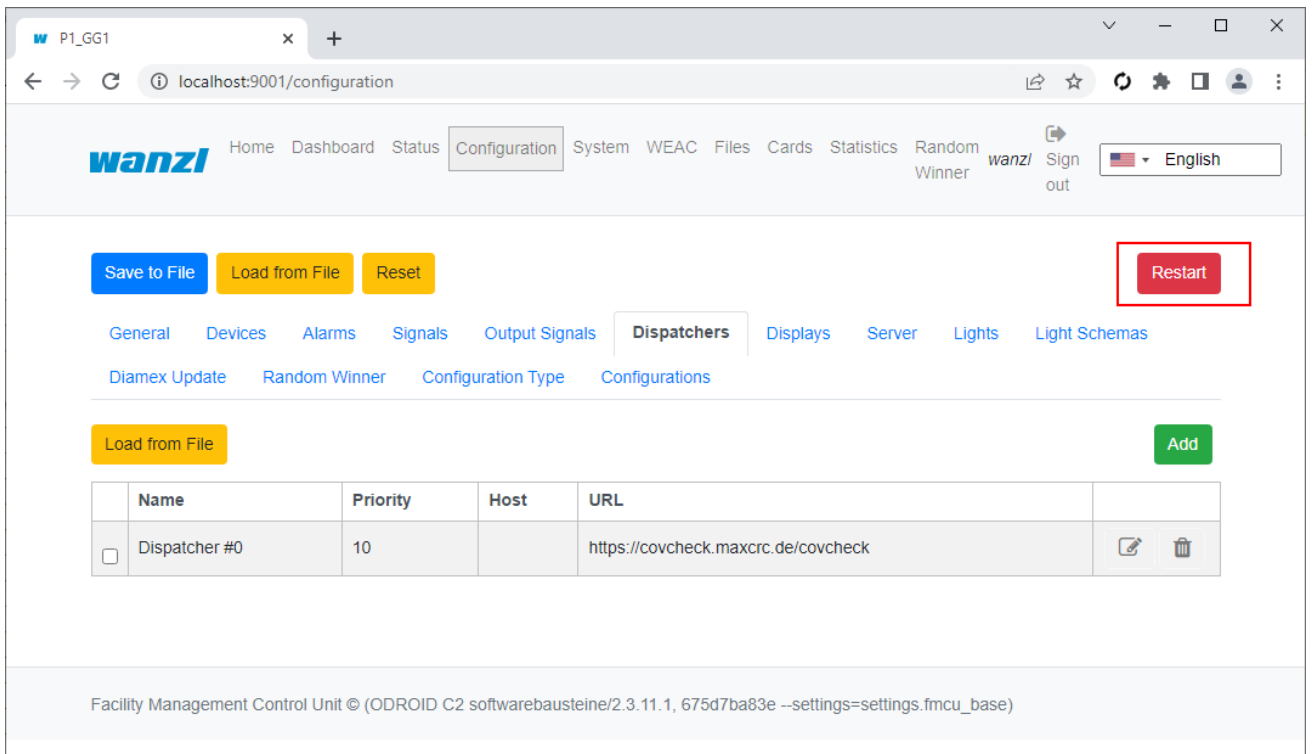
Ruleset *: 3G

COVID Test timeout in, ms. *: 5000

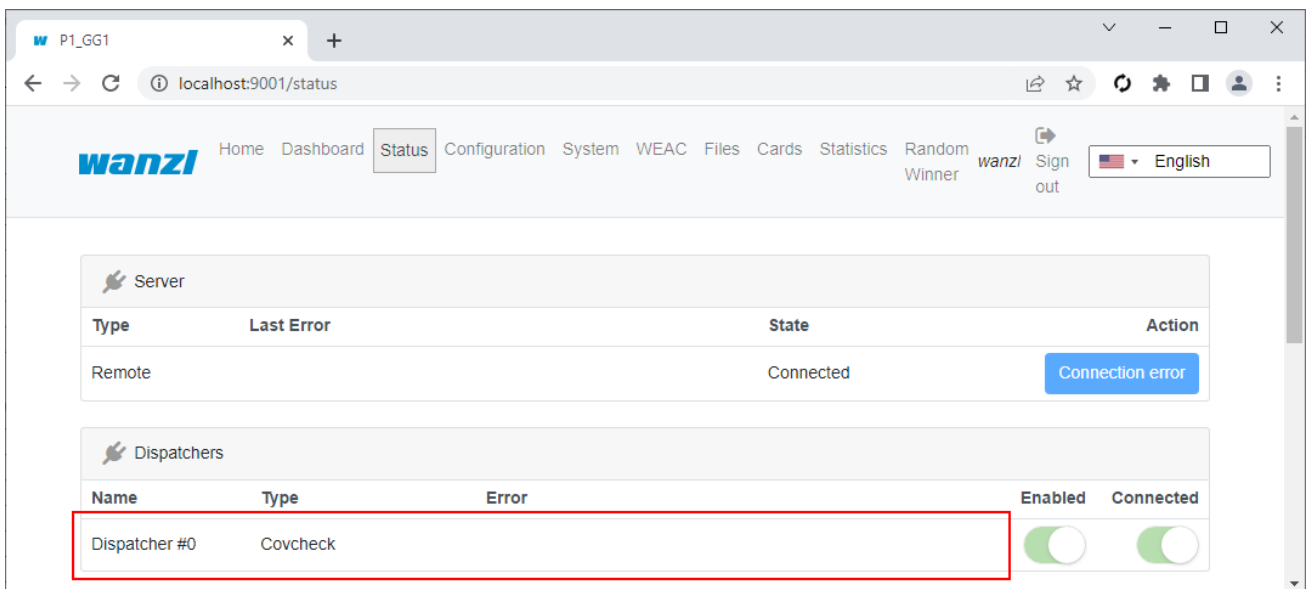
No SSL certificate validation:

Bottom right: 

Covcheck



The screenshot shows the WANZI Configuration page in a browser. The URL is localhost:9001/configuration. The navigation menu includes Home, Dashboard, Status, Configuration (active), System, WEAC, Files, Cards, Statistics, Random Winner, and Sign out. There are buttons for Save to File, Load from File, Reset, and Restart (highlighted with a red box). Below the navigation, there are tabs for General, Devices, Alarms, Signals, Output Signals, Dispatchers (active), Displays, Server, Lights, and Light Schemas. A table lists configurations with columns Name, Priority, Host, and URL. One entry is Dispatcher #0 with priority 10 and URL https://covcheck.maxcrc.de/covcheck. There are also buttons for Load from File and Add. The footer text reads: Facility Management Control Unit © (ODROID C2 softwarebausteine/2.3.11.1, 675d7ba83e --settings=settings.fmcu_base).



The screenshot shows the WANZI Status page in a browser. The URL is localhost:9001/status. The navigation menu includes Home, Dashboard, Status (active), Configuration, System, WEAC, Files, Cards, Statistics, Random Winner, and Sign out. There are two main sections: Server and Dispatchers. The Server section shows a table with columns Type, Last Error, State, and Action. The state is Connected, and there is a Connection error button. The Dispatchers section shows a table with columns Name, Type, Error, Enabled, and Connected. The entry for Dispatcher #0 has Type Covcheck, and both Enabled and Connected toggle switches are turned on. The entire Dispatchers table is highlighted with a red box.

Display