

# 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

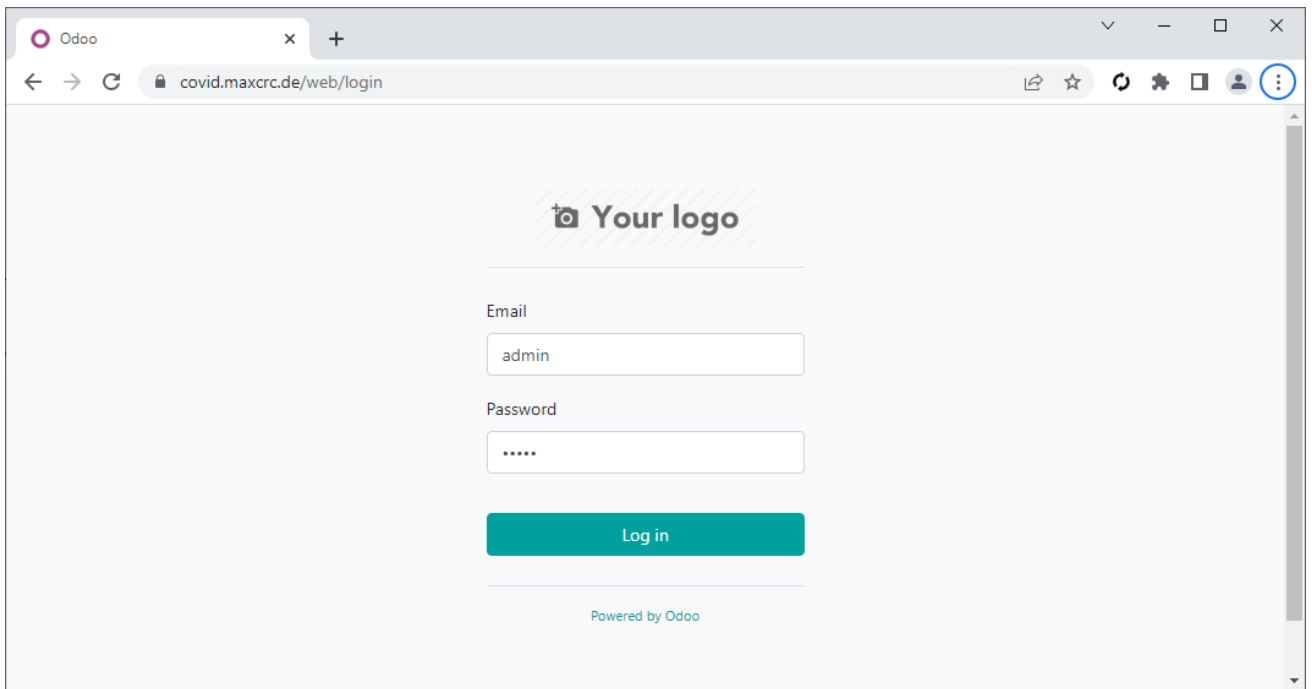
---

### Change Default Password

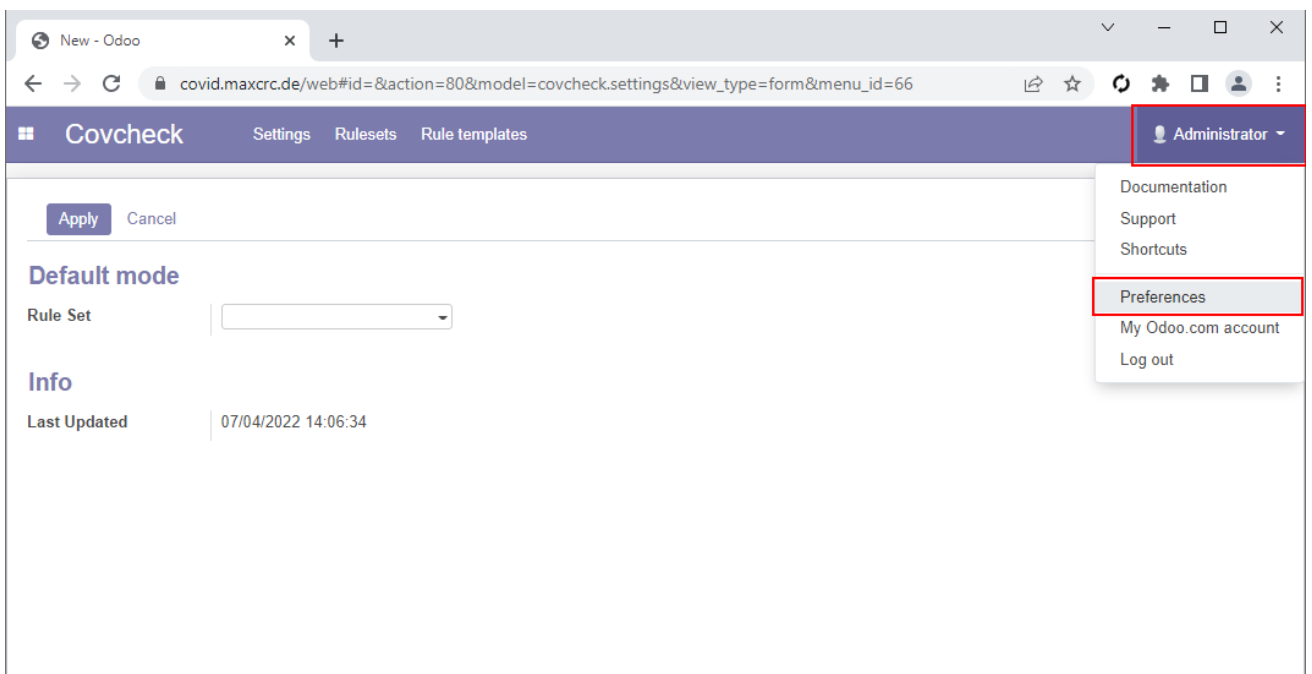
---

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

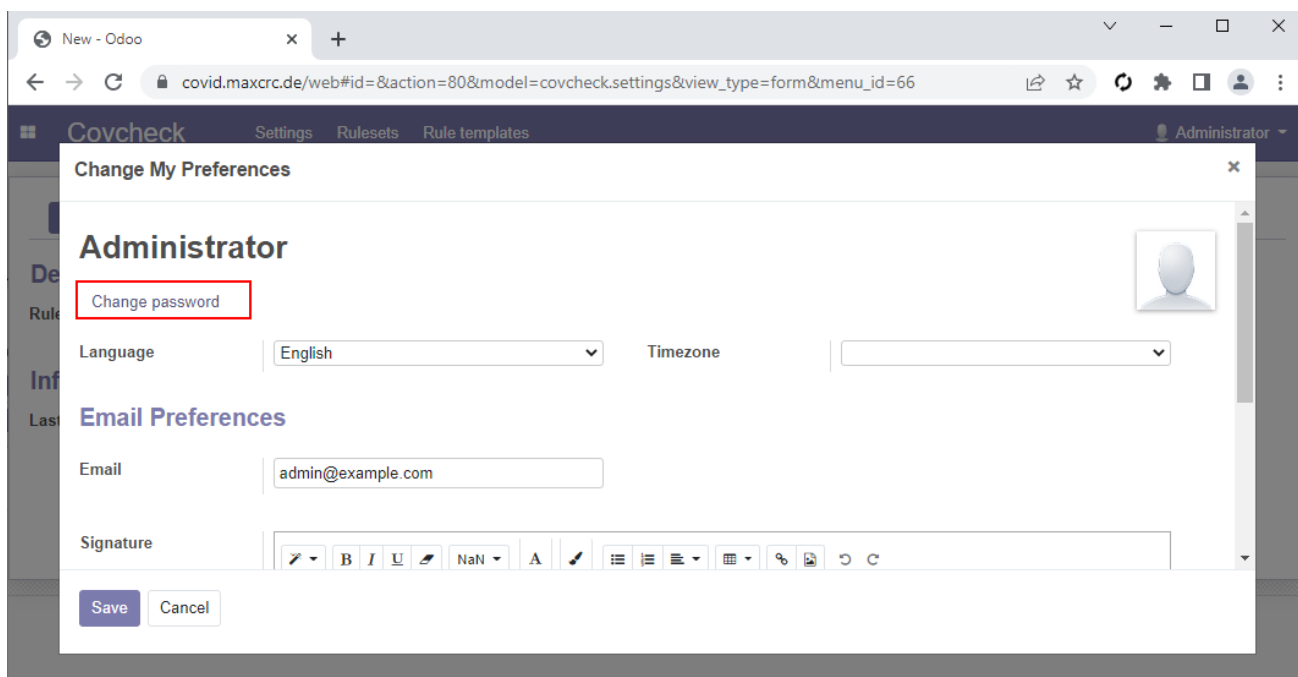
Username	Password
admin	admin



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

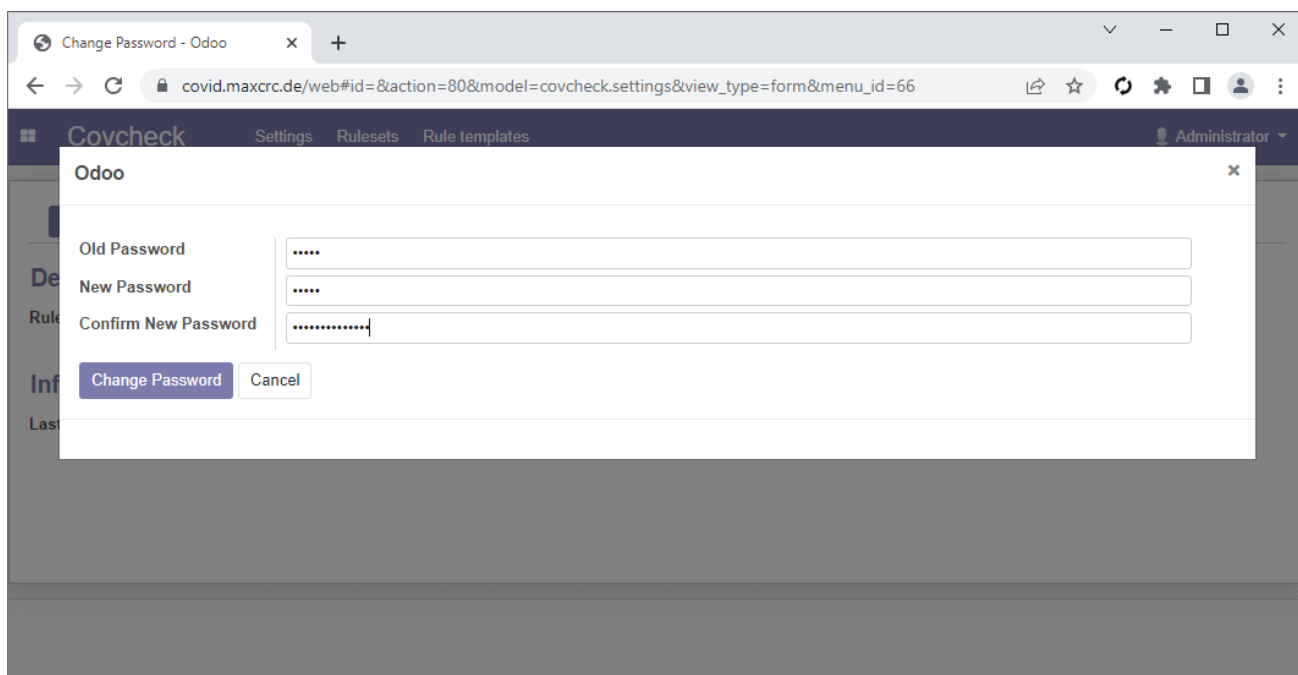


In the opened window click **Change password**:



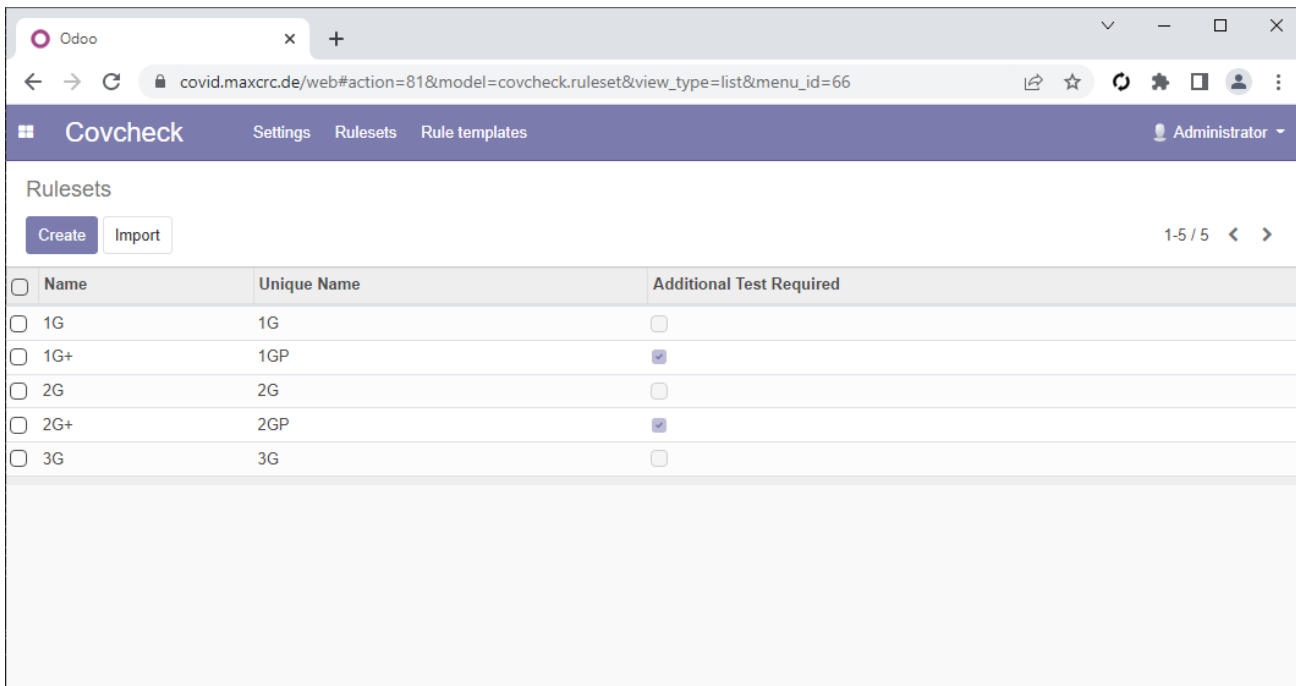
Fill-in the following fields and then click **Change Password**:

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

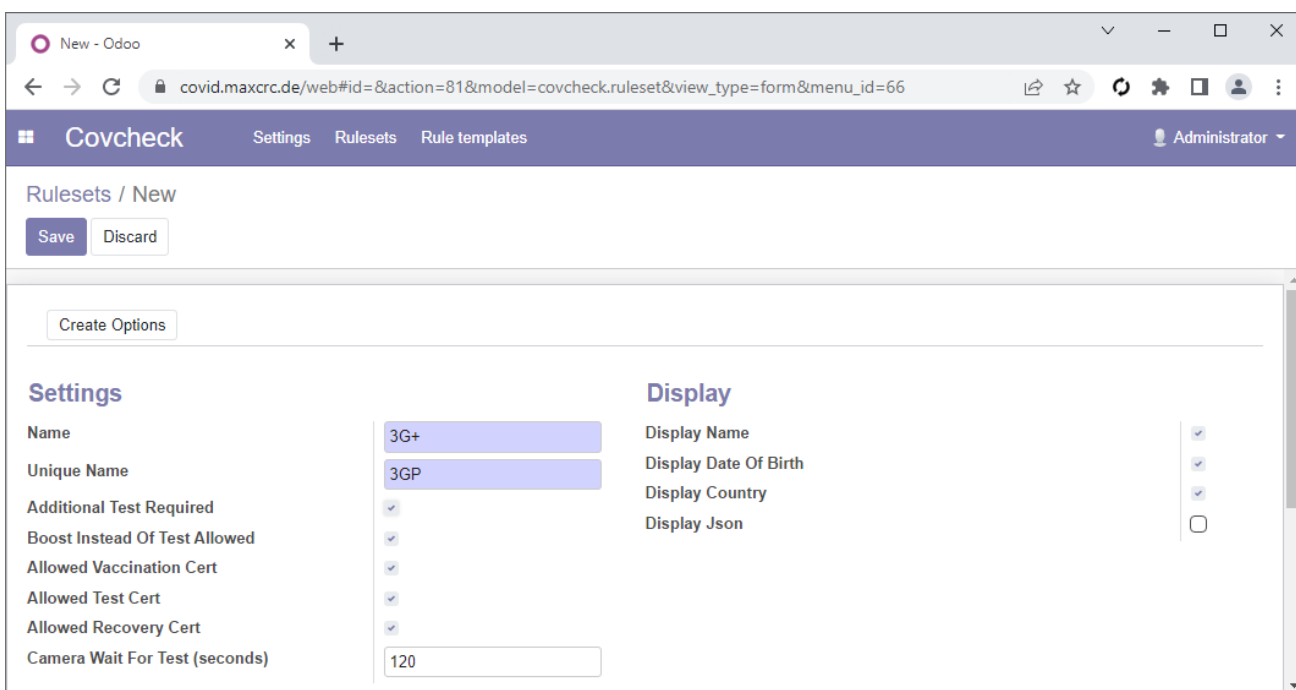


## Managing Rulesets

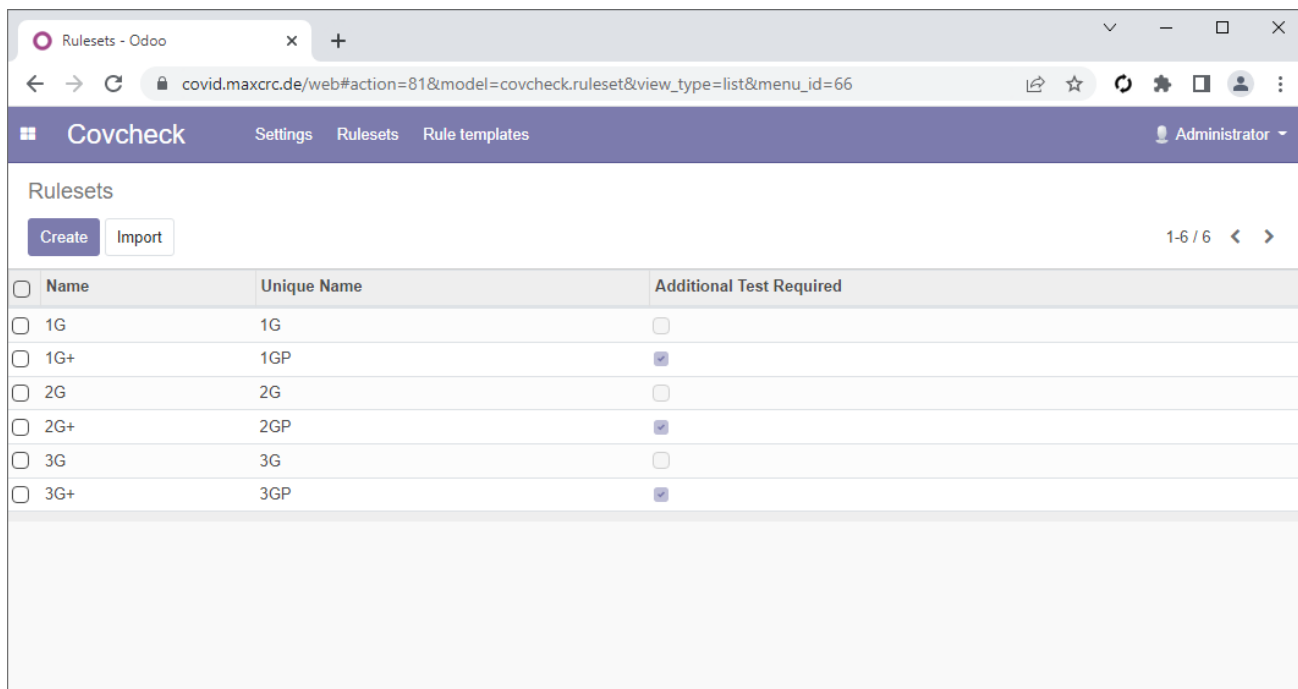
You can add, modify and delete rulesets on the **Rulesets** page:



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:

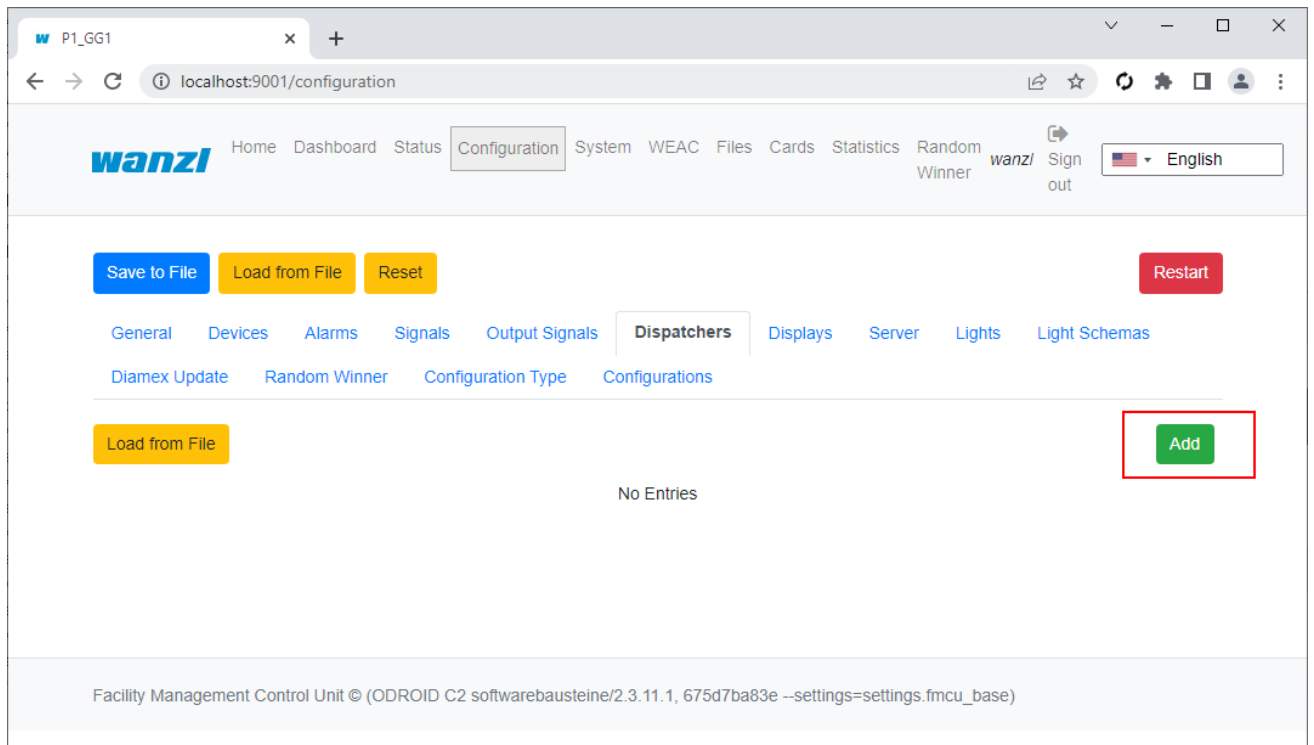


<input type="checkbox"/>	Name	Unique Name	Additional Test Required
<input type="checkbox"/>	1G	1G	<input type="checkbox"/>
<input type="checkbox"/>	1G+	1GP	<input checked="" type="checkbox"/>
<input type="checkbox"/>	2G	2G	<input type="checkbox"/>
<input type="checkbox"/>	2G+	2GP	<input checked="" type="checkbox"/>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



The screenshot shows a web browser window with the address bar displaying 'localhost:9001/configuration'. The page title is 'P1\_GG1'. The navigation menu includes 'Home', 'Dashboard', 'Status', 'Configuration', 'System', 'WEAC', 'Files', 'Cards', 'Statistics', 'Random Winner', and 'Sign out'. The 'Configuration' menu is expanded, showing sub-items: 'General', 'Devices', 'Alarms', 'Signals', 'Output Signals', 'Dispatchers', 'Displays', 'Server', 'Lights', and 'Light Schemas'. The 'Dispatchers' sub-item is selected. Below the navigation, there are buttons for 'Save to File', 'Load from File', 'Reset', and 'Restart'. A 'Load from File' button is also present below the sub-menu. A green 'Add' button is highlighted with a red box. The main content area displays 'No Entries'. The footer text reads: 'Facility Management Control Unit © (ODROID C2 softwarebausteine/2.3.11.1, 675d7ba83e --settings=settings.fmcu\_base)'.



Browser window: P1\_GG1, 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

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

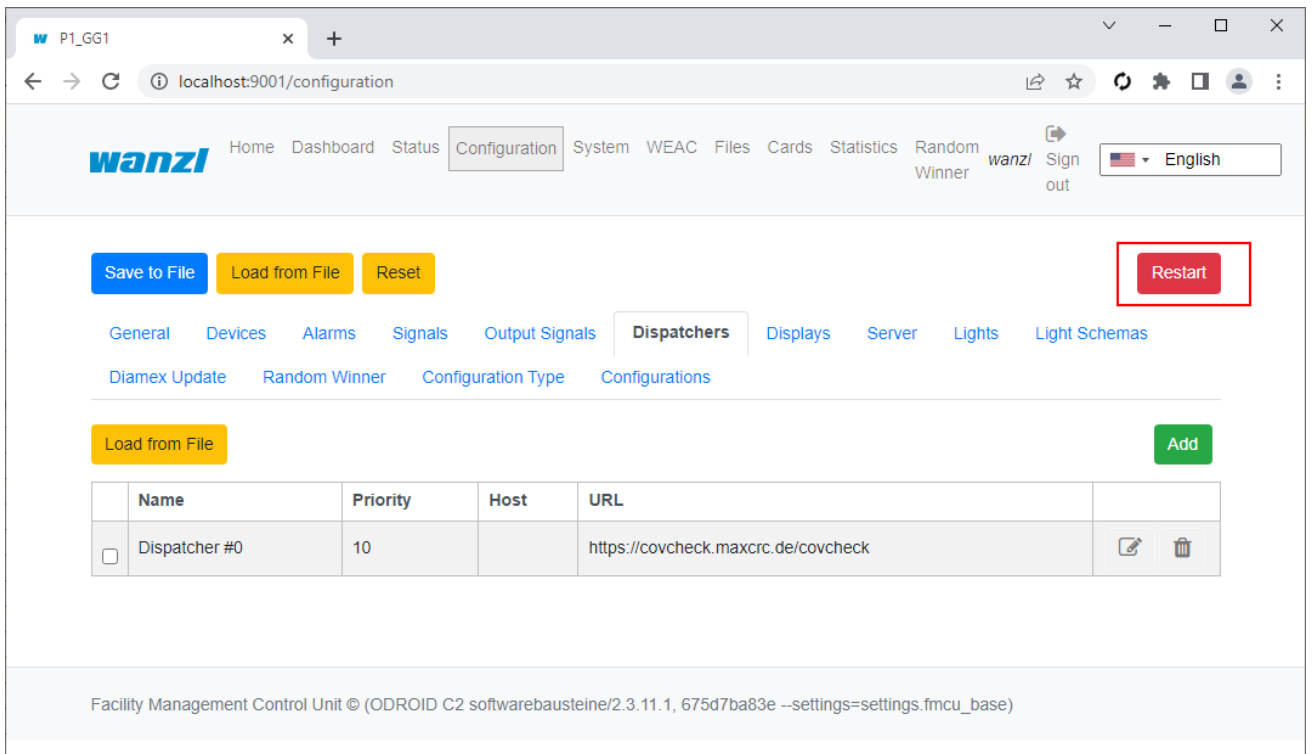
Ruleset \*  
3G

COVID Test timeout in, ms. \*  
5000

No SSL certificate validation

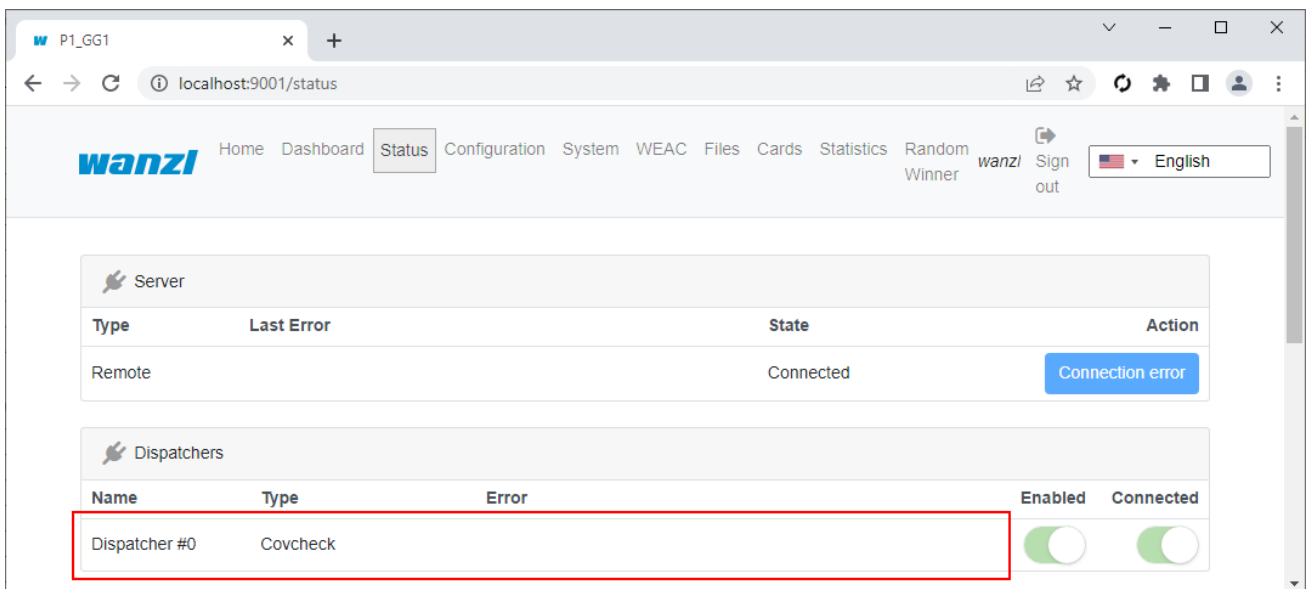


## Covcheck



The screenshot shows the WANZI Configuration page in a browser. The URL is localhost:9001/configuration. The page has a navigation menu with 'Configuration' selected. Below the navigation, there are buttons for 'Save to File', 'Load from File', 'Reset', and 'Restart' (highlighted with a red box). The 'Dispatchers' tab is active, showing a table with one dispatcher entry: 'Dispatcher #0' with priority 10 and URL https://covcheck.maxcrc.de/covcheck. There is also an 'Add' button and a 'Load from File' button.

Name	Priority	Host	URL
Dispatcher #0	10		https://covcheck.maxcrc.de/covcheck



The screenshot shows the WANZI Status page in a browser. The URL is localhost:9001/status. The page has a navigation menu with 'Status' selected. Below the navigation, there are two sections: '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' entry is highlighted with a red box, showing 'Covcheck' as the type 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