

# MONARC administrator's guide

"security made in Lëtzebuerg" (SMILE) g.i.e

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*This document is currently under active development and discussion!*

This document is intended to administrators of a MONARC instance. If you find errors or omissions in this document, please don't hesitate to submit an [issue](#) or open a [pull request](#) with a fix.

# 1. Introduction

The [back office](#) is the component that lets you manage:

- the front office servers;
- the clients (instances of MONARC deployed on front office servers);
- the MONARC models;
- the access of users to the back office.

## 2. Management of the front office servers

### 2.1. List the current front office servers

MONARC by Cases.lu - Mozilla Firefox <2>

MONARC by Cases.lu

Home > Administration > Servers management

Servers

Label	FQDN	Address	State	Actions
FO-1	FO	10.1.0.145	✓	

KB management

Information risks

Operational risks

Models

Deliverable templates

Helpful informations

Questions of trends assessment

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Client management

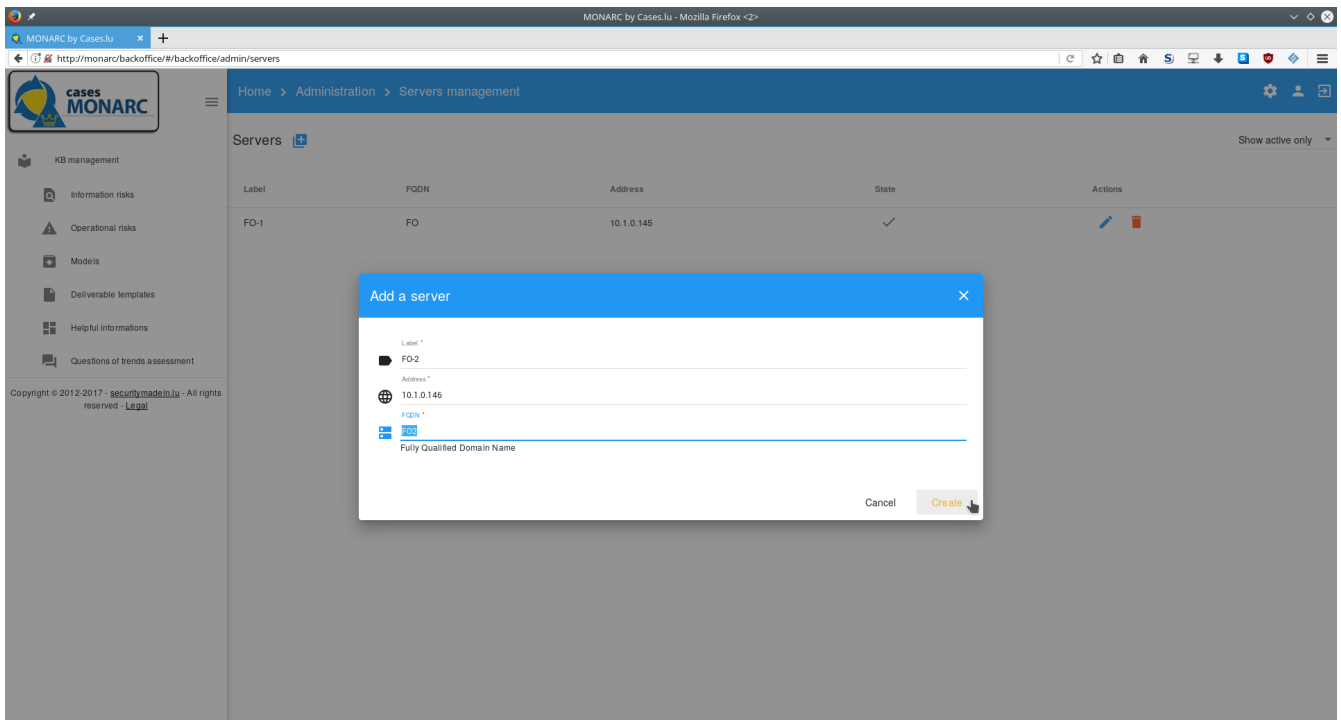
Manage users

Manage servers

Actions history

http://monarc/backoffice/#/backoffice/admin/servers

### 2.2. Create a new front office server

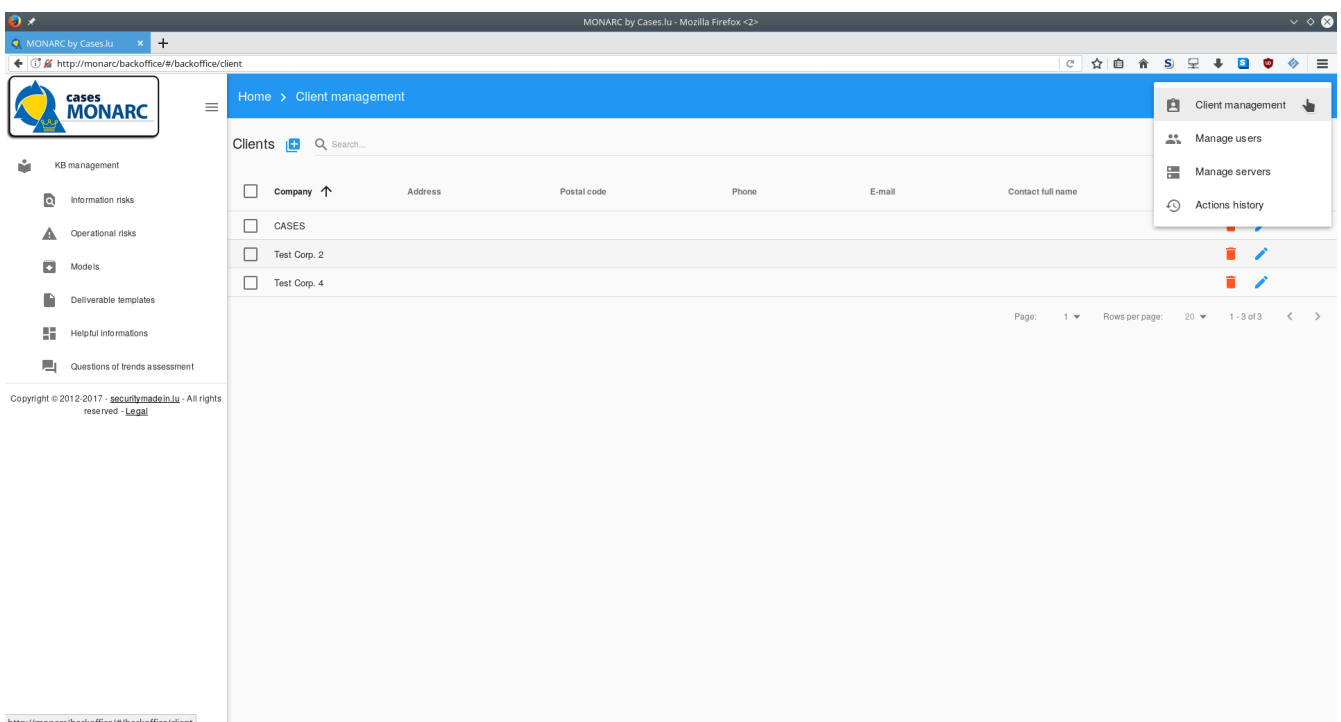


A front office can host one or more clients.

All clients on a front office server share the same application source code. An Apache Virtual Host is associated to each clients (with dedicated environment variables, configuration file, databases and logs).

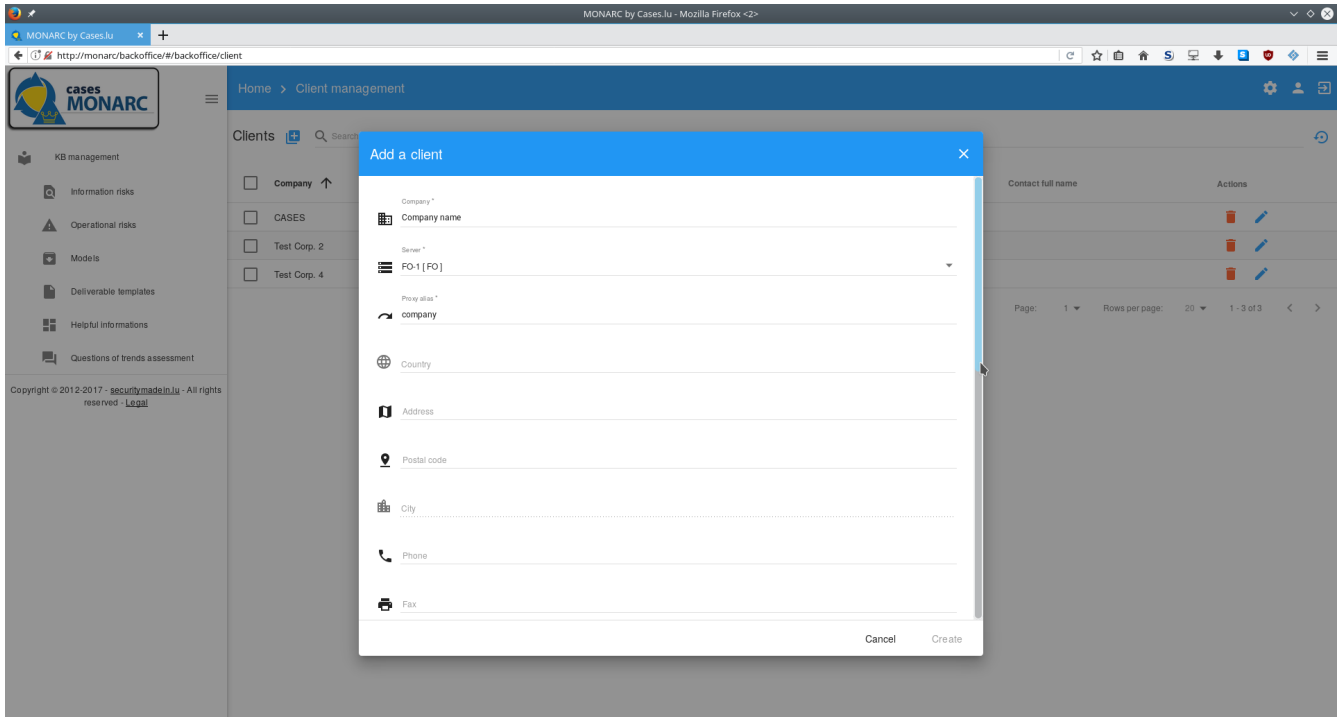
## 3. Management of the clients

### 3.1. List the current clients



## 3.2. Create a new client

A client is always associated to a front office server, **FO-1** in the picture below.



The creation of a new client will result in the generation of a JSON file on the back office server (in the folder `/var/lib/monarc/bo/MonarcAppB0/data/json/create/`).

The newly created JSON file contains the required information for the deployment of the new MONARC instance.

The inventory of clients for the ansible playbook is kept up-to-date by a [script](#) supposed to be launched periodically with cron. The cron task should be run by a dedicated user (for example *ansible*) on the configuration server.

As you can see the script `update.sh` checks for client(s) to create or to delete on the back office through SSH. If needed, the ansible inventory is updated. Then the ansible playbook is executed.

The creation of a new client will result in:

- the generation of an Apache Virtual Host with dedicated environment variables;
- the generation of a database for the client;
- the generation of a configuration file for MONARC (in `/var/www/<client-alias>/`);
- the update of the reverse proxy (`/etc/apache2/client_redirection` file);
- the update of the [database backup script](#) on each front office servers.

## 3.3. Backup of client's databases

If you want to enable the database backup script:

```
$ mkdir -p /var/lib/mysql-backup/monarc/  
$ sudo crontab -l  
# m h dom mon dow  command  
30 2 * * * /usr/local/bin/backup_monarc_db.sh
```

This script will backup the databases of each clients on the front office server.

As explained previously this script is updated after each addition/deletion of client(s).

## 4. Management of the models