



OPTIMISED RISK ANALYSIS

[www.monarc.lu](http://www.monarc.lu)

# Administrator Guide

CASES Luxembourg

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# 1. Introduction



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

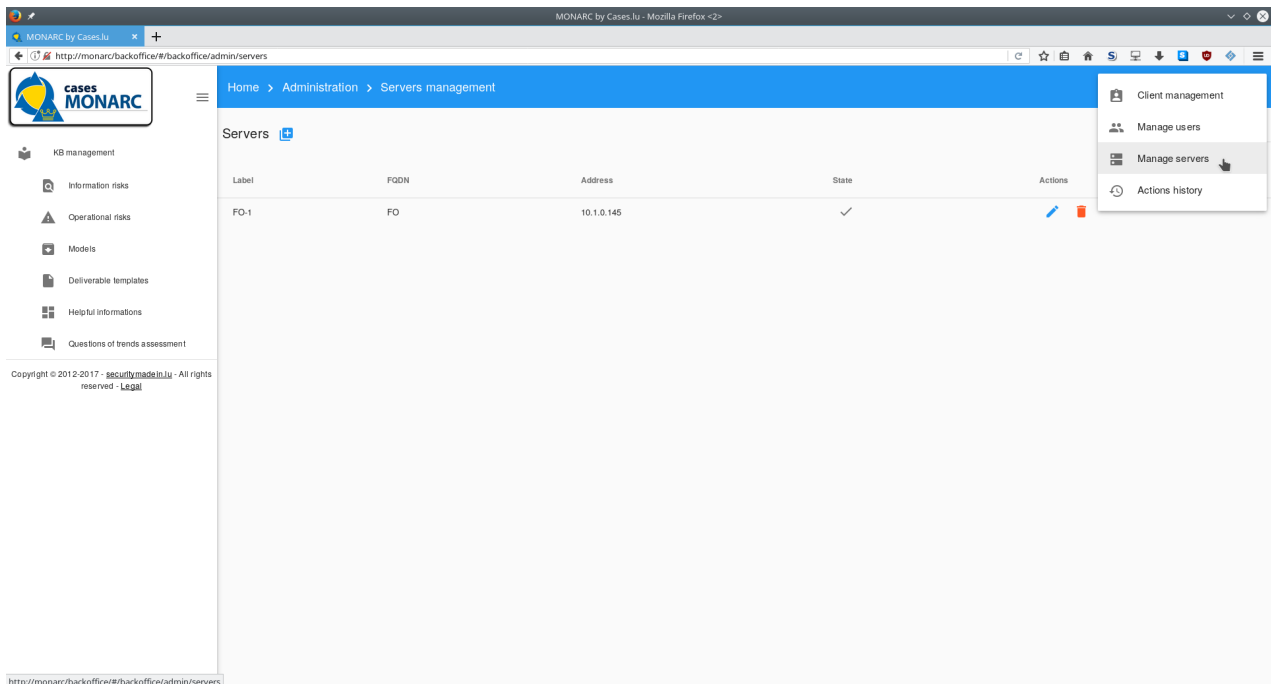
This document is intended to administrators of a MONARC instance. If you find errors or omissions in this document, please don't hesitate to submit an [issue](#) or open a [pull request](#) with a fix.

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

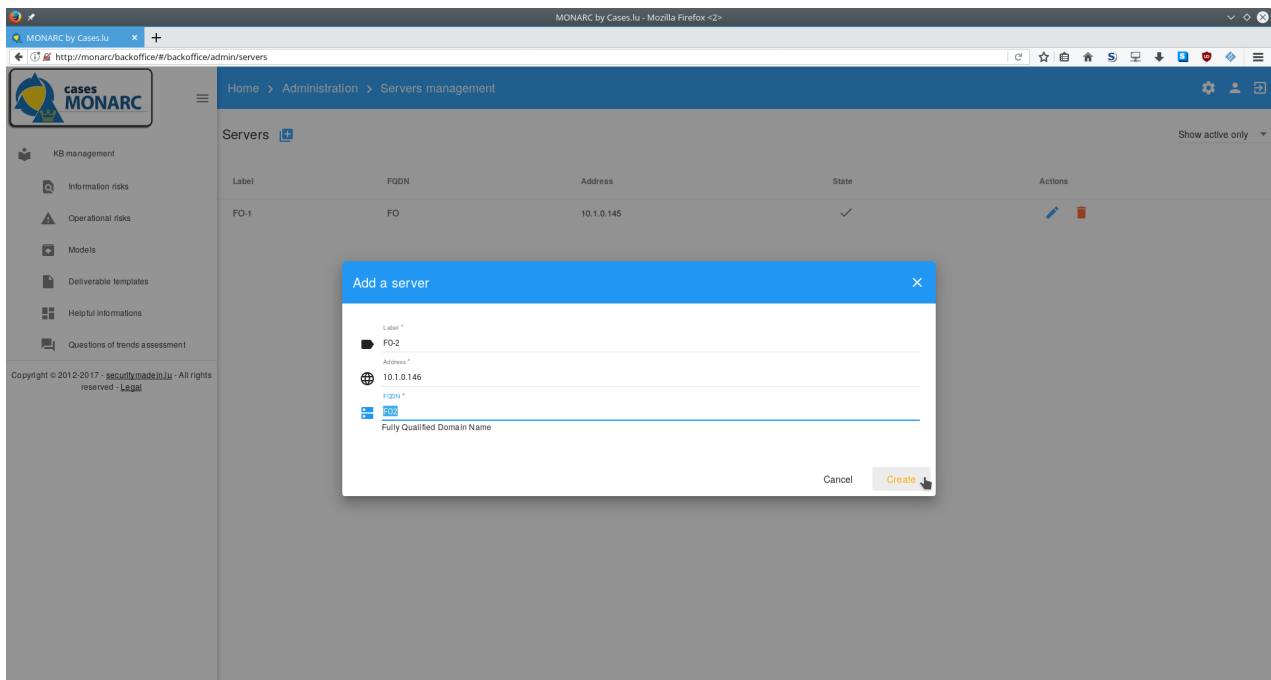
- The front office servers;
- The clients (instances of MONARC deployed on front office servers);
- The MONARC common models;
- The access of users to the back office.

## 2. Management of the front office servers

### 2.1. List the current front office servers



### 2.2. Create a new front office server

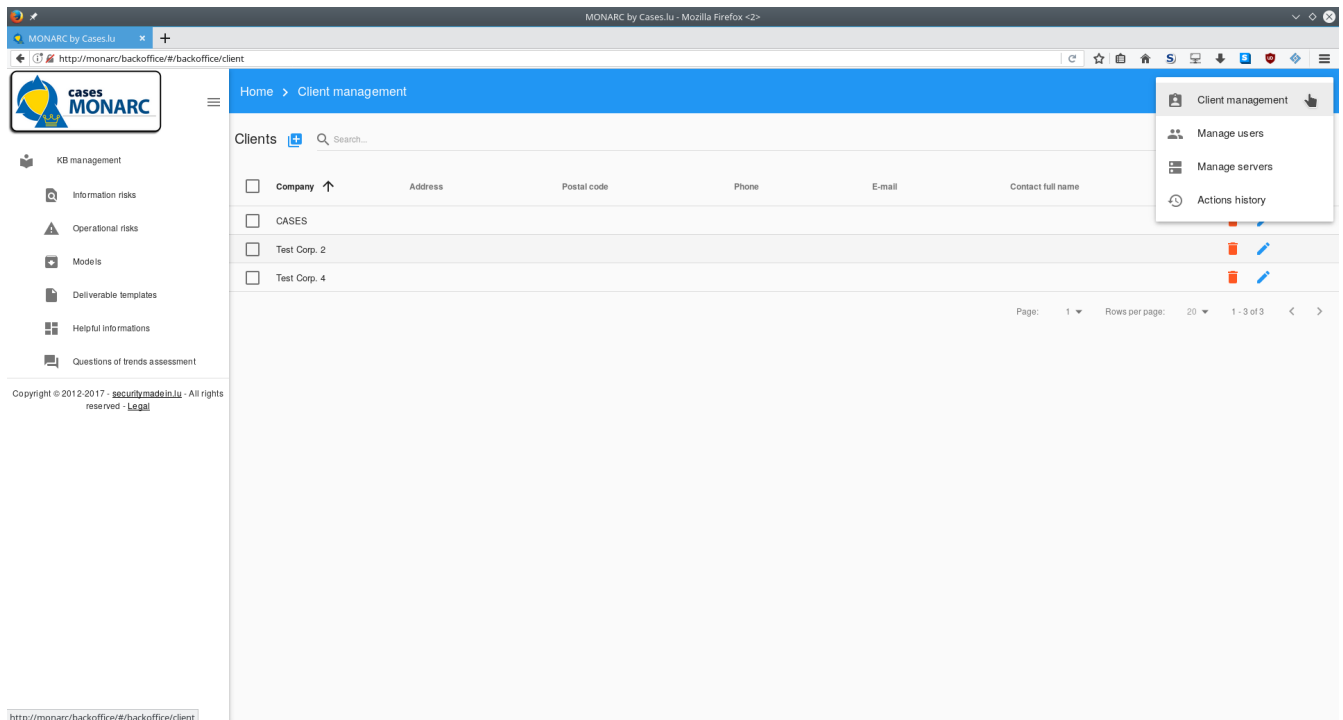


A front office server can host one or more clients.

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 log files).

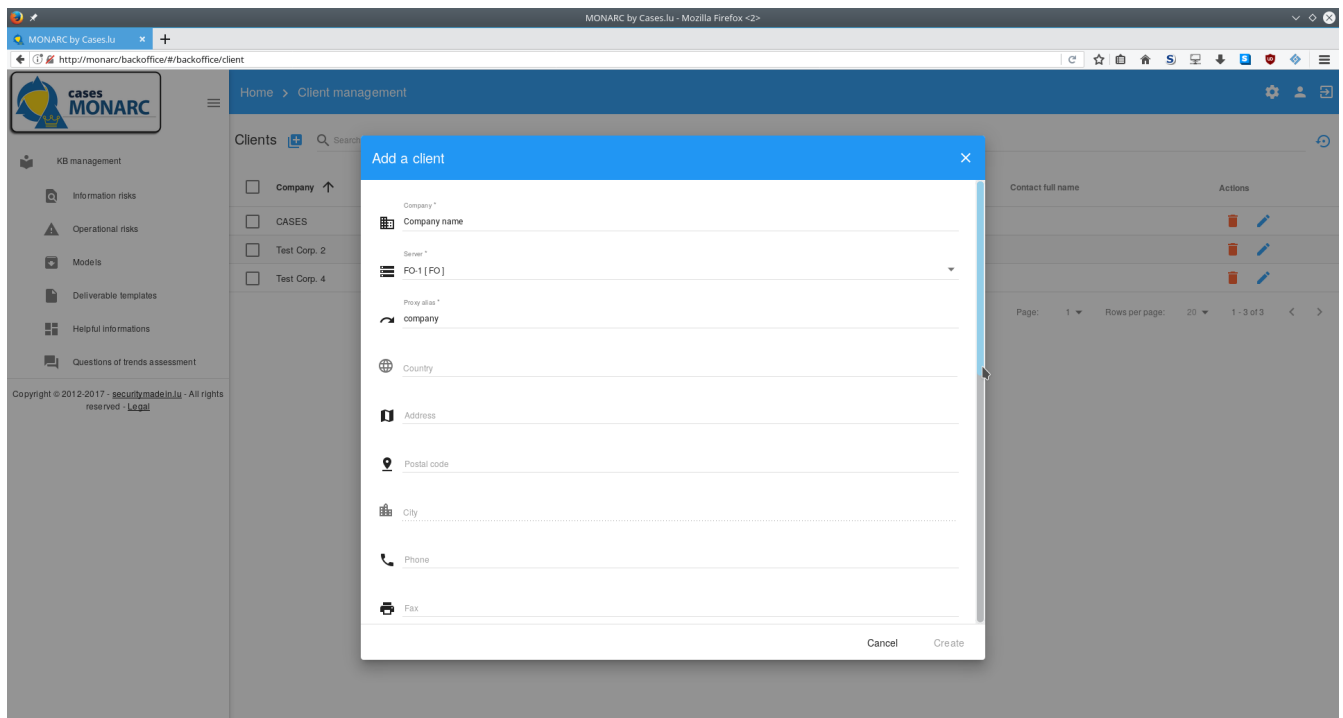
## 3. Management of the clients

### 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/<proxy-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