CALS SIM

Server Specification

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ALBACORE

Objectives of this document

The purpose of this document is to describe how the server can be accessed and his configuration. Moreover, this document define the function offered by the CALS API.

Glossary and Terminology

-A-

API: Application Programming Interface

Document Description

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Table of Contents

1. Server 1

1.1. Server Access 1

1.2. Mysql Access 1

1.3. Server Configuration 1

2. Database 2

2.1. Database Architecture ..... Erreur ! Signet non défini.

2.2. Database example ..... Erreur ! Signet non défini.

3. API 3

3.1. Localisation 3

1. Server

1.1. Server Access

Ssh access : ssh -l administrator 193.10.30.129
Username : administrator
Password : *****

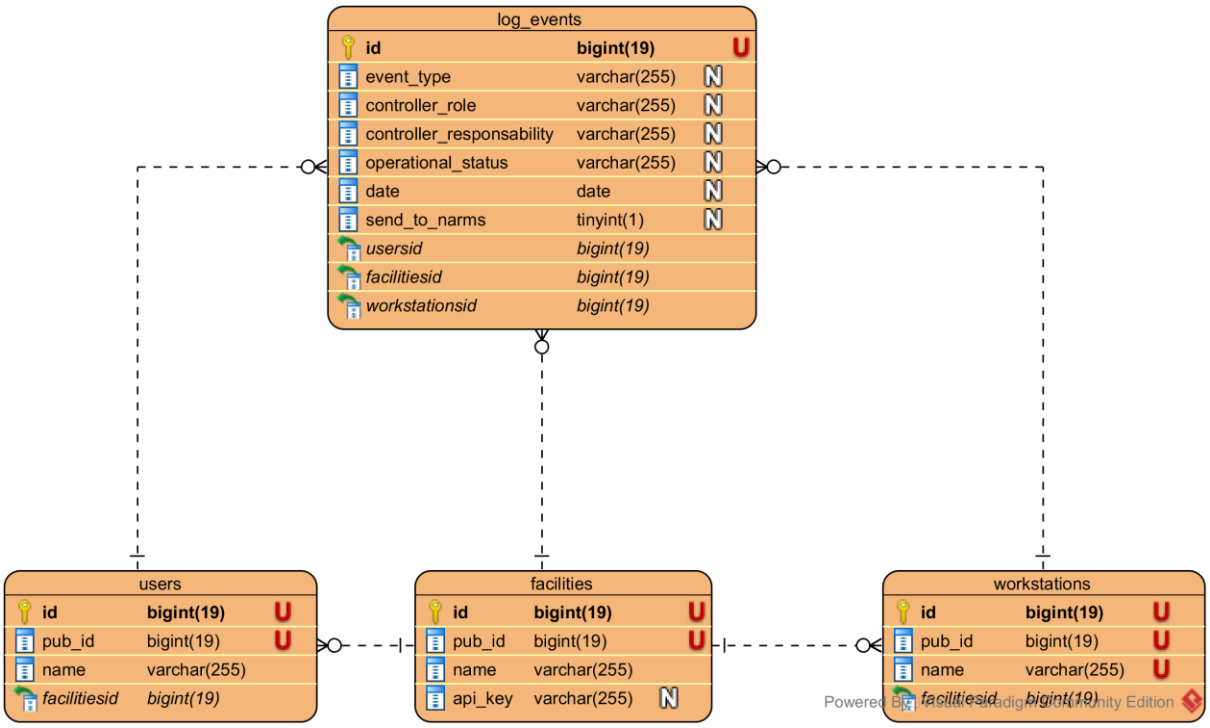
1.2. Mysql Access

Username : root
Password : *****

1.3. Server Configuration

- Python 3.4.2
- Mysql 5.5.47
- Nginx 1.6.2
- Falcon 0.3.0
- PyMySQL 0.7.1
- Gunicorn 19.4.5

2. Database


log_events
id bigint(19) U
event_type varchar(255) N
controller_role varchar(255) N
controller_responsability varchar(255) N
operational_status varchar(255) N
date date N
send_to_narms tinyint(1) N
usersid bigint(19)
facilitiesid bigint(19)
workstationsid bigint(19)
users
id bigint(19) U
pub_id bigint(19) U
name varchar(255)
facilitiesid bigint(19)
facilities
id bigint(19) U
pub_id bigint(19) U
name varchar(255)
api_key varchar(255) N
workstations
id bigint(19) U
pub_id bigint(19) U
name varchar(255) U
facilitiesid bigint(19)

3. API

3.1. Localisation

You need to connect to the server via ssh.

Figure 1: ssh connection

Below, you can find the folder with the API code.

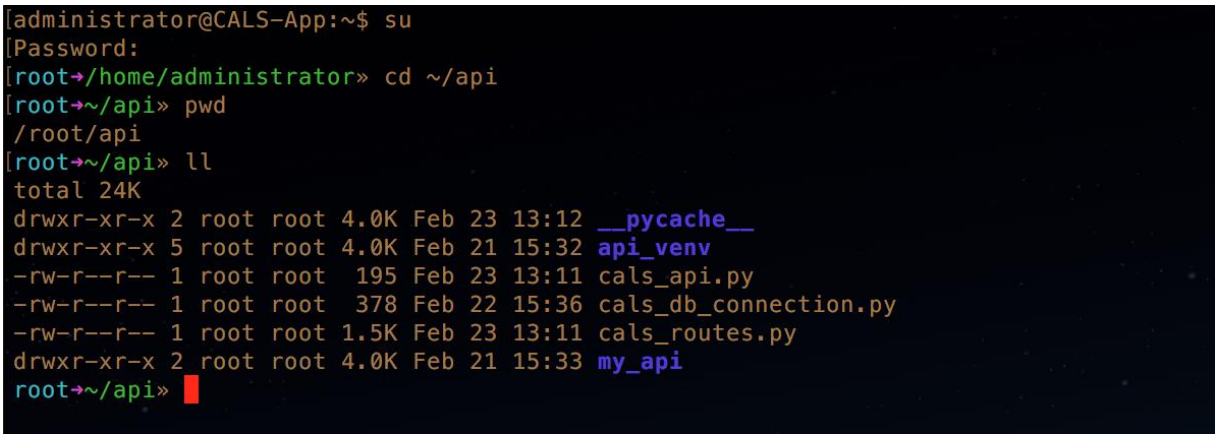


Figure 2: API code

There is 3 code files : cals_api.py (the main file), cals_db_connection.py (allowing the connection to the database), and the cals_routes.py (the post method with the insert on the database).

Command to start Gunicorn : gunicorn -b 0.0.0.0:8080 cals_api:app &