

MyDoc Web Application

Installation guide

Introduction

This guide describes the process of installation of the MyDoc Web Application.

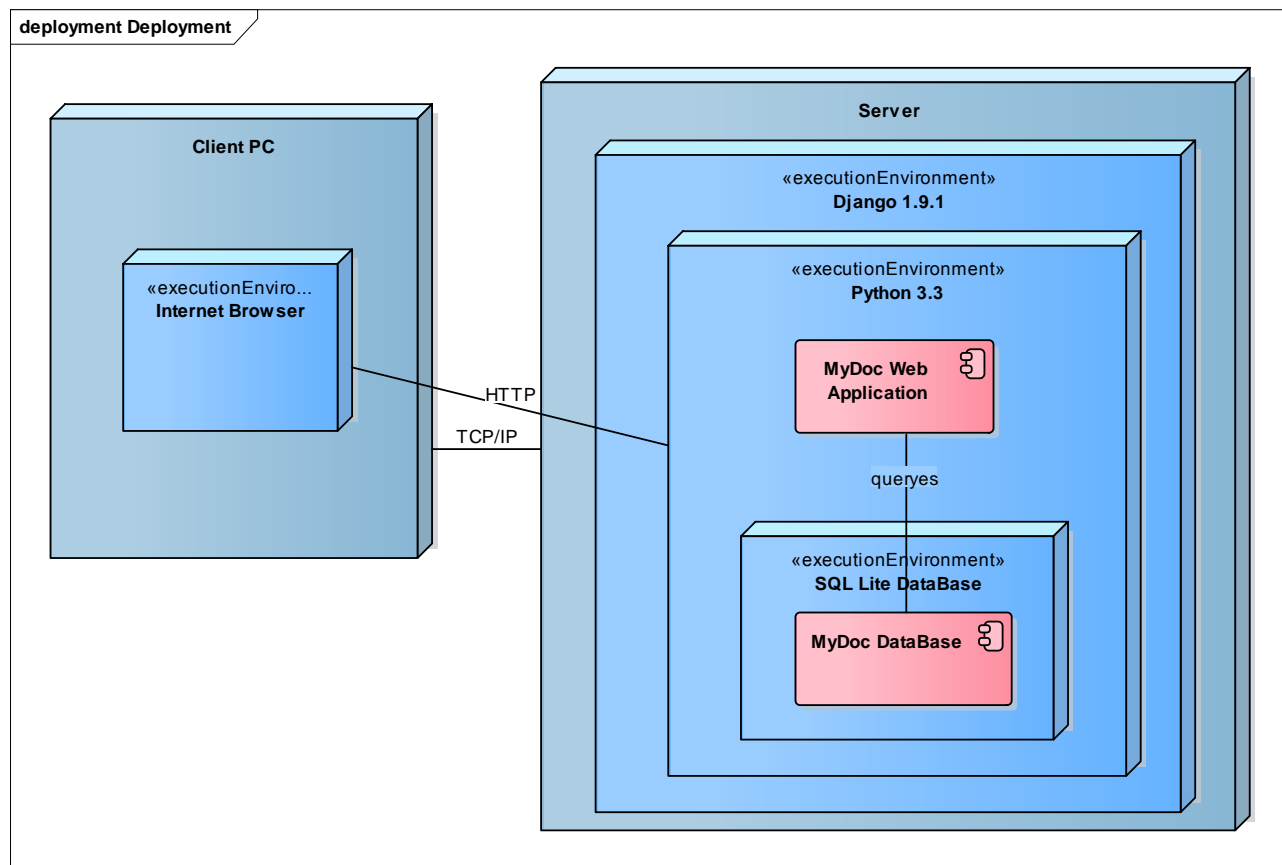
Version: 0.3

Release date: 16.1.2016

Preconditions

The following preconditions must be met to successfully install the application:

- Django web server
 - Django 1.9.1 web server
- Python 2.7 or newer



The application is installed on a server with a Web server (Django) and Python installed.

The application is using a SQLite database. SQLite is included in Python, so you won't need to install anything else to support your database.

The application itself is accessed through an internet browser. The following browsers are supported:

- Internet Explorer 10+
- Mozilla Firefox 36+
- Chrome 47+

Installation procedure

This section describes the steps to install the system in the prepared environment.

1. Copy the whole folder **myDoc** somewhere in your working space.
2. Open the command window in the recent downloaded map.
3. Make sure that you are in the recent downloaded map **myDocApp** and write the command **python manage.py runserver**.
4. Open the browser and enter on the local host: **127.0.0.1:8000/doctors**

Working with database:

I. Database setup

1. Open up **myDoc/myDoc/settings.py**
2. By default the configuration uses **SQLite**
If you want to use another database:
 1. Install the appropriate database bindings.
 2. Change the following keys in the **DATABASES 'DEFAULT'** item to match your database connection settings (in current opened **settings.py** file)
 - **ENGINE** –
Either **'django.db.backends.postgresql_psycopg2'**, **'django.db.backends.mysql'**, or **'django.db.backends.oracle'**.
 - **NAME** – The name of your database. If you're using SQLite, the database will be a file on your computer; in that case, **NAME** should be the full absolute path, including filename, of that file. The default value, **os.path.join(BASE_DIR, 'db.sqlite3')**, will store the file in your project directory. If you are not using SQLite as your database, additional settings such as **USER**, **PASSWORD**, **HOST** must be added.

II. Adding new\modifying tables in existent application's database

1. Open up **myDoc\doctors\models.py**
2. Add the desired **Class** which will represent a table in the database.
3. Add the desired **Attributes** to the created class which will represent fields in the table.
(like: `field_name = models.FieldType(constraints)`)
4. Open the command window in project's map **/myDoc** and type the command:
>python manage.py makemigrations doctors

You should see the output :

Migrations for 'doctors':

`number_auto_dateofexecution_timeofexecution.py` (the number looks like: 0001, 0002, ...)

- List of changes in the database

5. In the same command window type the command:
>python manage.py sqlmigrate doctors number
>python manage.py migrate

III. **Populate the database**

1. Make sure that you are in the recent downloaded map **myDocApp** and write the command
>python manage.py runserver
2. Open the browser and enter on the local host: **127.0.0.1:8000/admin**
3. Enter the username: **admin**
4. Enter the password: **admin1**