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Deployment of Multi Tenant App

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# Confidentiality

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# Requirements

## Dependencies

* Install Node: [Node installation](https://nodejs.org/en/download/).
* Install MySQL for the database: [MySQL installation](https://www.mysql.com/downloads/).
* Install Docker: [Docker installation](https://docs.docker.com/engine/install/).
* Install Angular [Angular Installation](https://angular.io/cli).

## Extract files and Compilation

* Clone repository [Multi tenant app](http://git.graymatics.com/alex/Multi-tenant-app).
* Edit file ”./client/src/environments/environment.prod.ts” and modify variable “websocketUrl” to the IP of the server.
* Install dependencies by doing the command “npm install” on the folder “client”. If there is an error, use command “npm install -f”.
* Compile by triggering the bash file “buildFrontEnd.sh” at “client” folder.

## Define details of the server

* File “configDocker.env” should be placed at root folder next to “client”, “server” and the rest of the main folders.
* On the file “configDocker.env”, change the values of “host”, “user”, and “password”, to the credentials of the MySQL server. If the server is in the same machine, “host” should be “localhost” as a value. If not this should be an IP of the server. See **Error! Reference source not found.**.
* Define the value “install” at “configDocker.env” to be “true” to install the database structure. This step needs to be changed after the first initialization of the server to “false”. See **Error! Reference source not found.**.
* Change “my\_ip”, “app\_url” and “pythonApi” at “configDocker.env” to the IP of the server. Maintain ports at “app\_url”, and“pythonApi”. See **Error! Reference source not found.**.
* On the folder “dockerDeployment” edit “nginx.conf” at line 7 (see the left numbers that indicate which line it is) modify the IP to the private IP of the server deployed. Remember to maintain the port. See **Error! Reference source not found.**.
* On the same file modify line 30 and 35 by adding the proper IP of the server by maintaining the port. See **Error! Reference source not found.**.

## Initialize application

* Run the command “docker compose up” in the folder “dockerDeployment”.

# Testing

## Application access

To access the dashboard, it needs to be opened a browser and go to “localhost” or if is on cloud, it would be the public IP of the server.

Using the following default credentials:

user: testing

pass: Graymatics1!

If there is an issue of logging in, it can be solved by changing the IP at “nginx.conf” to the proper ones.

After this step it needs to be tested if the image of an uploaded file or RTSP is captured. Upload a video or add an RTSP link to see if it grabs its image. If there is an issue here, check if the folder “heatmap\_pics” exists at that account folder. This is located at “resources/{id\_account}/{id\_branch}/”, if the folder “heatmap\_pics” hasn’t been created, manually create it.  
A second reason might be the IP configured at “configDocker.env” on “pythonApi”, please ensure that the private IP of the server is being used.

## Application management

Using the following admin credentials, it can be added new accounts to provide our clients. For single tenant (only one location) it’s needed to click on “Unique account” checkbox to ensure to have the layout of the account for only one location.

user: admin

pass: gr@ymaticsAdmin312

## Attachments

Text

Description automatically generated

Figure 1

Text

Description automatically generated

Figure 2