Server Installation

Pre-requisites

- A machine running Ubuntu Server 20.04 LTS
- Machine must have a public facing IP address

Initial configuration of server

Updates software on the machine

sudo apt update -y && sudo apt upgrade -y

Installation of docker

Installs docker onto the machine

sudo apt install docker.io -y

Configure FreeTAKServer (FTS) with docker

Creates a docker volume with the name 'fts_data'

sudo docker volume create fts_data

Creates a docker container running FreeTAKServer:

- As the docker image isn't on the machine, docker will download it from the docker hub
- The red ports are the ports for the ubuntu machine, you can change these to whatever you want but make sure to update firewall rules appropriately.
- Docker will utilise the 'fts_data' volume created earlier

sudo docker run -d -p xxxxx:8080/tcp -p xxxxx:8087/tcp -e FTS_CONNECTION_MESSAGE="Server Connection Message" -e FTS_COT_TO_DB="True" -v fts_data:/data --name fts --restart unless-stopped freetakteam/freetakserver:1.1.2

NOTE:

- Data packages that are uploaded to the server are done via the **"xxxxx:8080"** port configuration, this will need to be changed on the client device.
- The '**xxxxx:8087'** port will be the port used to configure network connections on client devices.