Treelets Documentation

This page contains the documentation of the Treelets phraseology extraction tool.

Docker Installation

Detailed instruction on how to install Treelets in a Docker container.

Learning Outcomes

- By the end of this tutorial you will:
- Have a configured local Treelets web application on one machine
- Learned how to understand and configure Treelets Docker configuration including api, database, angular, nginx etc.
- Search Indexed data in Your application

Any issues with this tutorial should be reported to the contact[at]pelcra.pl list.

Requirements

- Unix environment, Windows 10 Home or Professional, Mac OS environment
- Docker Desktop for Windows 10 Professional or Mac OS
- Docker Toolbox on Windows 10 Home

Install Treelets on Ubuntu

Install Docker

- # run in Linux bash install commands:

```
sudo apt install docker
sudo apt install docker-compose
sudo apt install postgresql-client-common
```

- # check docker version commands:

```
sudo docker -v
sudo docker-compose -v
```

Setup Treelets from a binary distribution

- Download treelets-docker application for Ubuntu Link to Treelets Docker application for Ubuntu!
- Unzip
- Run bash and go inside treelets-docker catalog

Run Docker

- # run in Linux bash commands:

```
# Build
sudo docker-compose build
# Running
sudo docker-compose up -d
# View instances
sudo docker-compose ps
```

Install Treelets on Windows 10 Home

Install Docker Toolbox

- Install the application using the tutorial: https://docs.docker.com/toolbox/toolbox_install_windows/

Setup Treelets from a binary distribution

- Download treelets-docker application for Windows 10 Home Link to Treelets Docker application for Windows 10 Home!
- Unzip
- Run Docker Quickstart Terminal from Desktop and go inside treelets-docker catalog

Run Docker

- # run in Docker Quickstart Terminal command and note ip, it will be used to open application

```
# get default ip for application
docker-machine ip default
```

- # using windows explorer go to the file treelets-docker\app\webapp\assets\config\api.json

```
# change webSocketHost address to docker-machine ip default eg.
"webSocketHost": "ws://192.168.99.100:4221/notifications"
```

- # run install commands:

```
# create a volume
docker volume create postgres_database

# check volumes
```

```
docker volume ls

# Build
docker-compose build
# Running
docker-compose up -d
# View instances
docker-compose ps
```

Verify your Treelets installation

- Open Your Favourite Browser and type: http://localhost:8080
- On Windows 10 Home will be on ip default: eg. http://192.168.99.100:8080

Docker useful commands

```
# View instances with container id
sudo docker ps
# Logs
sudo docker-compose logs

# Monitoring
sudo docker stats

# Connect sql command
sudo docker exec -it {container_id} sh
psql -U treelets treelets
select * from info.config;
select version();
\q
exit
# Stop
sudo docker-compose stop
# Remove
sudo docker-compose down
```

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