Installing OpenMapTiles on RHEL 9.1 for serving map tiles to TEn

1. sudo yum install yum-utils
2. sudo yum-config-manager --add-repo=https://download.docker.com/linux/centos/docker-ce.repo
3. sudo yum install docker-ce –allowerasing

A screenshot of a computer

Description automatically generated

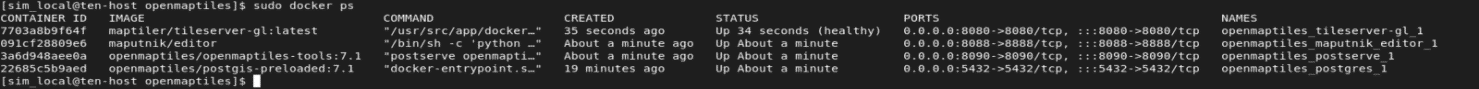
1. sudo systemctl enable --now docker
2. Firewall stuff?
   1. Might need to configure, if fails to start
   2. sudo rm -rf /var/lib/docker/network
   3. sudo systemctl start docker
3. cd ~
4. curl -L “https://github.com/docker/compose/releases/download/1.23.2/docker-compose-$(uname -s)-$(uname -m)” -o docker-compose
5. sudo mv docker-compose /usr/bin
6. sudo chmod +x /usr/bin/docker-compose
7. git clone <https://github.com/openmaptiles/openmaptiles.git>
8. cd ./openmaptiles
9. Edit “.env” and set MAX\_ZOOM to 14
10. Edit docker-compose.yml, delete lines under “tileserver-gl”
    1. --config
    2. “/style/config.json”
11. sudo docker-compose pull
12. sudo ./quickstart.sh (generates vector tileset of Albania for zoom levels 0-7 into data directory) (sudo ./quickstart.sh california)
    1. Albania zoom levels 0-14 took ~10min and is sized ~13GB (/var/lib/docker)
    2. Albania zoom levels 0-15 took ~10min and is sized ~13GB (/var/lib/docker), 19 GB after using “Basic preview”

A map of a city

Description automatically generated

* 1. California zoom levels 0-14 took ~107min and is sized ~22GB (/var/lib/docker), 29GB after starting services

1. sudo make start-maputnik
2. sudo make start-tileserver
3. sudo docker ps



Openstreet map zoom levels

<https://wiki.openstreetmap.org/wiki/Zoom_levels>

A table with numbers and a few lines

Description automatically generated with medium confidence