

# REALTIMEBUS SERVER v2

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## Setup

For creating a clean instance use the following configuration:

### AMI

Ubuntu Server LTS (HVM), SSD Volume Type

### Instance Type

t3.large

### Instance Details

(default values)

### Storage

8GB

### Security Group

- SSH / 22 / 0.0.0.0
- HTTP / 80 / 0.0.0.0

The following script can be used to prepare and setup the project on a EC2 instance:

```
#!/bin/bash

echo "CONFIGURING INSTANCE..."

sudo apt update
sudo apt install -y nodejs npm default-jre postgresql-10 postgresql-server-dev-10
postgis recode zip wget

echo "SETTING UP PROJECT..."

sudo mkdir -p /opt/realtimebus-v2
sudo chown -R ubuntu:ubuntu /opt/realtimebus-v2

cd /opt/realtimebus-v2

export GIT_SSL_NO_VERIFY=1
```

```
git clone https://sasagitlab.opensasa.info/development/realtimebus-v2.git .

sed -i 's/ort_richtung SMALLINT/ort_richtung SMALLINT,/g' ./database/schema/data.s
ql
sed -i 's/firebase.syncAll();\\/\\/firebase.syncAll();/g' endpoint/vdv/vdv.js
sed -i 's/return sendSuccessMail(json);\\/\\/ return sendSuccessMail(json);\\n retur
n Promise.resolve();/g' endpoint/vdv/vdv.js

npm install

echo "CONFIGURING DATABASE..."

sudo -u postgres psql -c "CREATE DATABASE realtimebus;"

sudo -u postgres psql -d realtimebus -c "CREATE EXTENSION postgis;"

sudo -u postgres psql -d realtimebus < ./database/schema/data.sql
sudo -u postgres psql -d realtimebus < ./database/schema/beacons.sql

echo "local postgres postgres peer" | sudo tee -a /etc/postgresql/10/main/pg_hba.c
onf

sudo service postgresql restart

sudo -u postgres psql -c "ALTER USER postgres PASSWORD '1234';"

echo "SETTING UP SERVICE..."

sudo touch /etc/systemd/system/realtimebus.service

cat << 'EOF' | sudo tee -a /etc/systemd/system/realtimebus.service
[Unit]
Description="Realtimebus Server"

[Service]
ExecStart=/usr/bin/node app.js serve
WorkingDirectory=/opt/realtimebus-v2/
Restart=always
RestartSec=10
StandardOutput=syslog
StandardError=syslog
SyslogIdentifier=realtimebus
Environment=VDV_IMPORT_USERNAME=import VDV_IMPORT_PASSWORD=12fd9p

[Install]
WantedBy=multi-user.target
EOF
```

```
sudo systemctl enable realtimebus.service

echo "STARTING SERVICE..."

sudo systemctl start realtimebus.service

sleep 20

echo "IMPORTING CURRENT VDV..."

wget http://realtimetest.opensasa.info/vdv/list/latest.zip

curl --header "Content-Type:application/octet-stream" --data-binary @./latest.zip
--user import:12fd9p -X POST http://$(curl http://169.254.169.254/latest/meta-data
/public-ipv4)/vdv/import

rm -f ./latest.zip
```

## Service

```
systemctl start realtimebus.service

systemctl stop realtimebus.service
```