

Instalasi Backend remote-jammer

- Instalasi NodeJS & NPM

1. Install NVM

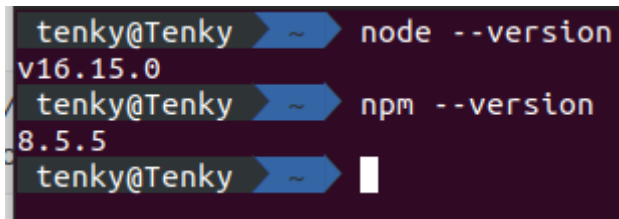
```
curl -o- https://raw.githubusercontent.com/nvm-sh/nvm/v0.38.0/install.sh  
| bash  
source ~/.bashrc
```

2. Install nodejs versi tertentu (yang digunakan v16.15.0)

```
nvm install v16.15.0 # Versi yang digunakan versi 16.15.0
```

3. Selesai, dapat dilihat versi NodeJS & NPM

```
node --version # melihat versi nodeJs  
npm --version # melihat versi npm
```



```
tenky@Tenky ~$ node --version  
v16.15.0  
tenky@Tenky ~$ npm --version  
8.5.5  
tenky@Tenky ~$
```

- Aplikasi

1. Clone Backend Jammer Repository

```
git clone https://github.com/riskikukuh/be-drone-jammer.git
```

2. Install PostgreSQL

```
sudo apt update  
sudo apt install postgresql postgresql-contrib # Memasang postgresql  
sudo systemctl start postgresql.service # Memulai PostgreSQL service
```

3. Login to PostgreSQL

```
sudo -i -u postgres  
psql # memulai postgresql CLI  
CREATE DATABASE drone_jammer; # Membuat database  
  
CREATE USER <username> WITH PASSWORD '<password>'; # Membuat user baru  
GRANT ALL PRIVILEGES ON DATABASE drone_jammer to <username>; #  
Memberikan akses penuh ke database drone_jammer ke <username>
```

4. Install node module

```
npm install
```

5. Buat file environment (.env)

```
# Server Configuration
HOST=0.0.0.0
PORT=8000

# PostgreSQL Configuration
PGUSER=<< Your Username >>
PGHOST=<< Your Host >>
PGPASSWORD=<< Password >>
PGDATABASE=<< Nama database >>
PGPORT=5432
```

6. Jalankan migrasi

```
npm run migrate up
```

7. Memulai server

```
npm run start-dev # for Development purposes
npm run start-prod # for Deployment purposes
```

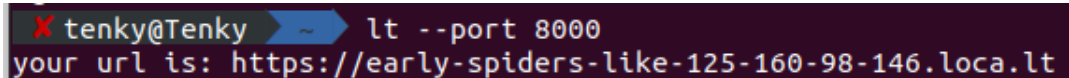
- Forwarding dengan Localtunnel (<https://theboroer.github.io/localtunnel-www/>)

1. Pastikan sudah terinstall npm
2. Install Localtunnel

```
npm install -g localtunnel
```

3. Jalankan forwarding menggunakan localtunnel

```
lt --port 8000 # Port
```



```
tenky@Tenky ~$ lt --port 8000
your url is: https://early-spiders-like-125-160-98-146.local.lt
```

- Forwarding dengan NGROK (**error**)

1. Install NGROK (Linux)

```
sudo tar xvzf ~/Downloads/ngrok-v3-stable-linux-amd64.tgz -C
/usr/local/bin
```

2. Cek hasil instalasi (opsional)

```
ngrok --version # jika bash mengembalikan versi ngrok, maka instalasi telah berhasil
```

3. Jalankan forwarding menggunakan NGROK

```
ngrok http 8000 # 8000 adalah port yang diforward
```

```
Session Status      online
Account             Riski Kuku (Plan: Free)
Version             3.0.7
Region             Asia Pacific (ap)
Latency             34ms
Web Interface       http://127.0.0.1:4040
Forwarding           https://8fcd-125-160-102-169.ap.ngrok.io -> h

Connections         ttl      opn      rt1      rt5      p50      p90
0                  0        0.00    0.00    0.00    0.00
```

4. Selesai