Google Voice, Ned-Red, LoraWan Devices

How to Deploy:

RPi:

Username: pi

Password: Testing1!

Open Three Terminals on the Pi

Start Virtual Environment on Terminal 1:

***Source env/bin/activate***

Run Node-Red, inside Virtual Env on Terminal 1:

***Node-red***

Run Mosquitto on Terminal 2:

***Mosquitto***

Run Google Voice Hotword on Terminal 3:

***Cd IoT\_VoiceProject***

***Cd Library***

***Python -m hotword***

Connect to node-red server on Windows in browser: ***raspberrypi.local:1880***

For node-red dashboard connect to: ***raspberrypi.local:1880/ui***

Google Voice Commando’s:

|  |  |  |
| --- | --- | --- |
| **Command** | **Mosquitto Payload** | **TTN Buffer** |
| Lights ON | On | 97 |
| Lights OFF | Off | 98 |
| Open Door | Open | 99 |
| Close Door | Close | 100 |
| Show Temperature | show | 101 |
|  |  |  |
|  |  |  |

LoraWan Devices:

|  |  |
| --- | --- |
| **Sensor** | **ID** |
| Temperature/Humidity | timdevice-temp |
| LED | timdevice-led |
| Servo | timdevice-servo |
| Infra Red | timdevice-infrared |