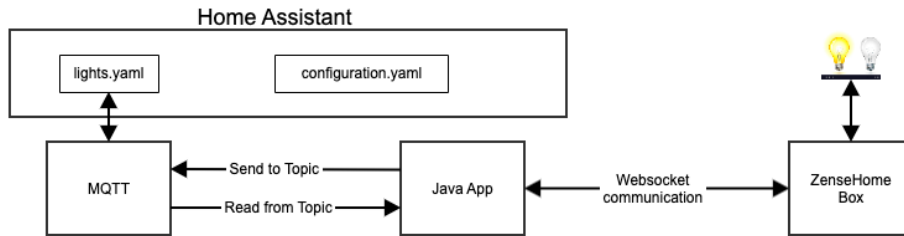


Home Assistant with Zensehome

Architecture



MQTT

Home Assistant does not have a builtin MQTT Broker, so I have a docker for it: [Adding Mosquitto \(MQTT\) to my Home Automation](#)

Java Application as Bridge

Github Source: <https://github.com/jobu279/zensehome>

Compile the source code or fetch the runtime. Edit config.properties to suit your network and mqtt.

Samples below are referenced from /home/bnp/production/zensehome/zensemqt

You need to create a "/home/bnp/production/zensehome/zensemqt/logs" directory; - then execute the application

```
root@robin:~/production/zensehome/zensemqt# java -Dfile.encoding=UTF-8 -classpath /home/bnp/production
/zensehome:/home/bnp/production/zensehome/zensemqt/mqtt-client-0.4.0.jar zensemqt.ZenseMQTT
Jan 09, 2019 8:14:01 PM zensemqt.Log logging
INFO: Starting ZenseHome MQTT listener
```

Setup a light source

My configuration.yaml has these parts:

```
mqtt:
  broker: 10.0.0.150

light: !include light.yaml
```

My lights.yaml looks like this:

```

- platform: mqtt
  name: "Kitchen Light"
  state_topic: "zense/execute/18324"
  command_topic: "zense/execute/18324"
  payload_on: "ON"
  payload_off: "OFF"

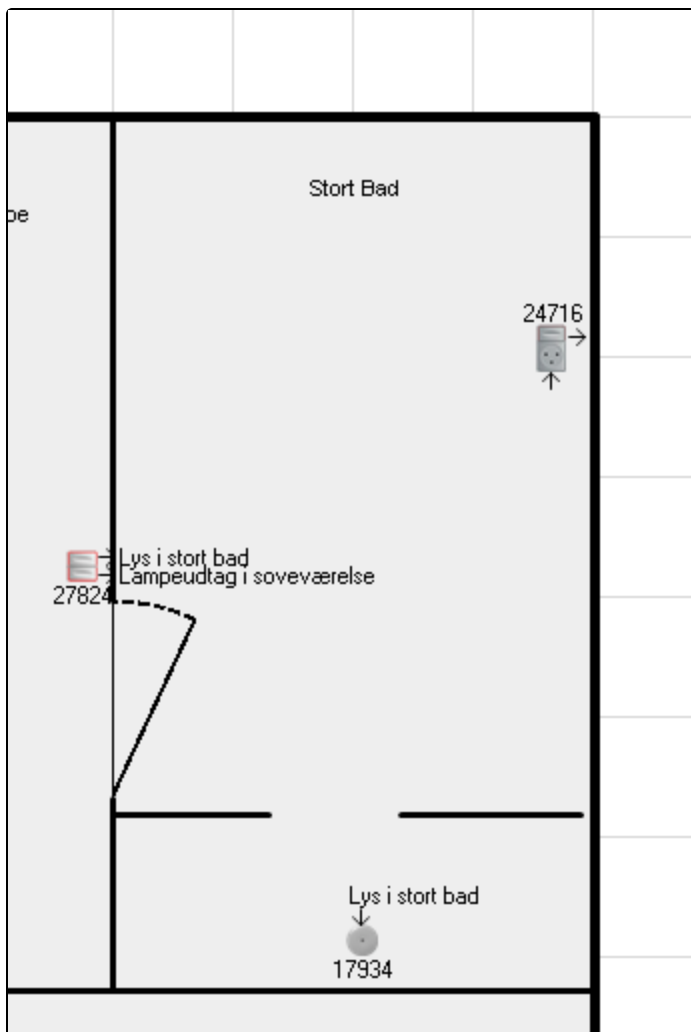
- platform: mqtt
  name: "Office Light"
  state_topic: "zense/execute/10604"
  command_topic: "zense/execute/10604"
  payload_on: "ON"
  payload_off: "OFF"

- platform: mqtt
  name: "Bedroom Light"
  state_topic: "zense/execute/58739"
  command_topic: "zense/execute/58739"
  payload_on: "ON"
  payload_off: "OFF"

....
....

```

With the Topics according to <https://github.com/jobu279/zensehome>. The Id can be found in the Zensehome Windows Application:



After restarting Home Assistant, the lights will be entries:

ⓘ light.ball.light	off	friendly_name: Ball Light supported_features: 0
ⓘ light.bedroom.light	off	friendly_name: Bedroom Light supported_features: 0
ⓘ light.carport.light	off	friendly_name: Carport Light supported_features: 0
ⓘ light.christophers_room.light	off	friendly_name: Christophers Room Light supported_features: 0
ⓘ light.dining_table.light	off	friendly_name: Dining Table Light supported_features: 0
ⓘ light.front_door.light	off	friendly_name: Front Door Light supported_features: 0
ⓘ light.hall_floor_lamp	off	friendly_name: Hall Floor Lamp supported_features: 0
ⓘ light.hall.light	off	friendly_name: Hall Light supported_features: 0
ⓘ light.kitchen.light	off	friendly_name: Kitchen Light supported_features: 0
ⓘ light.large_bathroom	off	friendly_name: Large Bathroom supported_features: 0
ⓘ light.living_room_lamps_south	off	friendly_name: Living Room Lamps South supported_features: 0

Installing as a service

Follow: <https://computingforgeeks.com/how-to-run-java-jar-application-with-systemd-on-linux/>

Logging

Watch the Log in `/home/bnp/production/zensehome/zensemqtt/logs`

```
root@robin:~/production/zensehome/zensemqtt/logs# cat 2019-1_ZenseLog.log
Jan 09, 2019 7:44:53 PM zensemqtt.Log logging
INFO: Starting ZenseHome MQTT listener
Jan 09, 2019 7:46:35 PM zensemqtt.Log logging
INFO: New message with topic: zense/execute/10604, Message: ON
Jan 09, 2019 7:46:37 PM zensemqtt.Log logging
INFO: New message with topic: zense/execute/10604, Message: OFF
Jan 09, 2019 7:46:43 PM zensemqtt.Log logging
INFO: New message with topic: zense/execute/10604, Message: ON
Jan 09, 2019 7:46:44 PM zensemqtt.Log logging
SEVERE: Error in socket creation: java.net.SocketException
Jan 09, 2019 7:46:54 PM zensemqtt.Log logging
INFO: New message with topic: zense/execute/10604, Message: OFF
Jan 09, 2019 7:46:55 PM zensemqtt.Log logging
SEVERE: Error in socket creation: java.net.SocketException
Jan 09, 2019 7:47:00 PM zensemqtt.Log logging
INFO: New message with topic: zense/execute/10604, Message: ON
```

Notice the "SEVERE: Error in socket creation: java.net.SocketException" - this means the ZenseHome box is non-responding



Use the [MQTT Explorer](#) for examining the topics