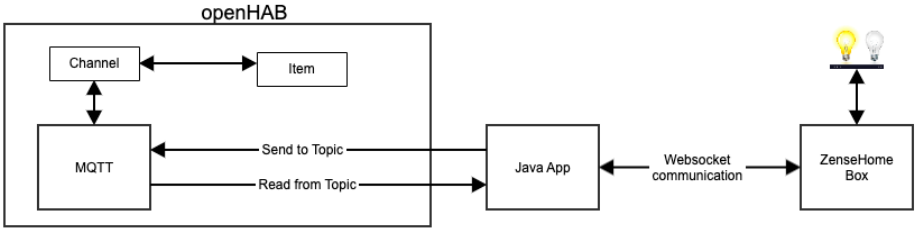
OpenHAB with Zensehome

Update 08-12-2022. Now a days ZenseHome has MQTT connection, so this page is 100% outdated. Use the MQTT Connection in ZenseHome to provide bridging to OpenHAB or similar.

Architecture



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/zensemqtt

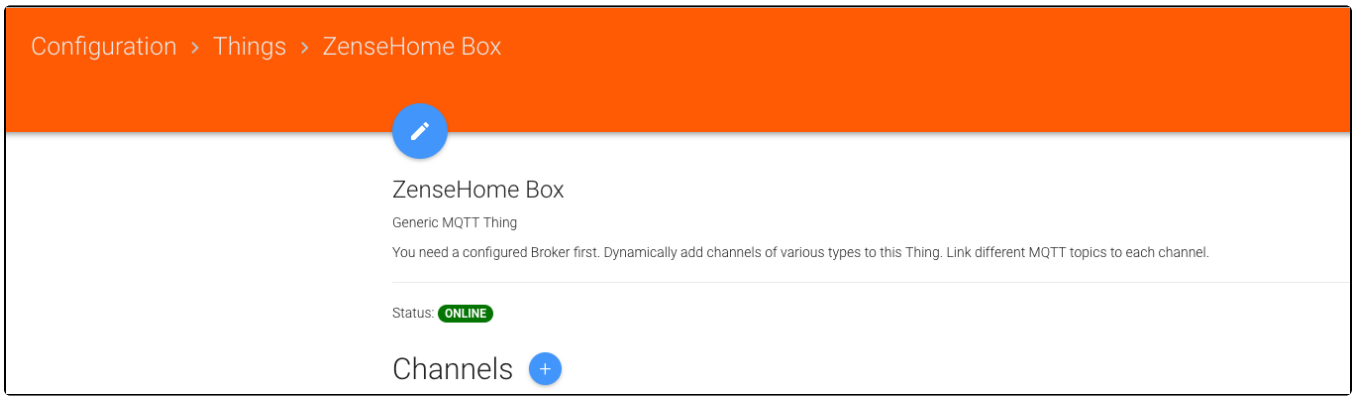
You need to create a "/home/bnp/production/zensehome/zensemqtt/logs" directory; - then execute the application

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

Setup a light source

I have defined a Thing for the ZenseHome box:

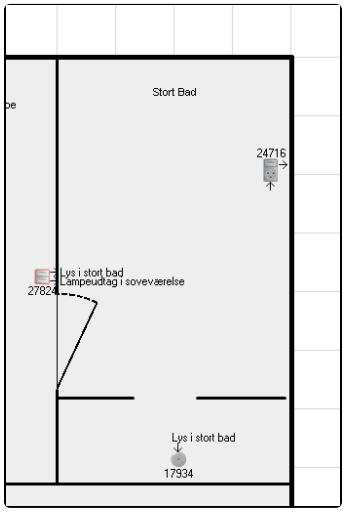




And are adding each light as a channel See Concepts):



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



Adding as "Percentage value" instead of ON/OFF, gives a slider for the light

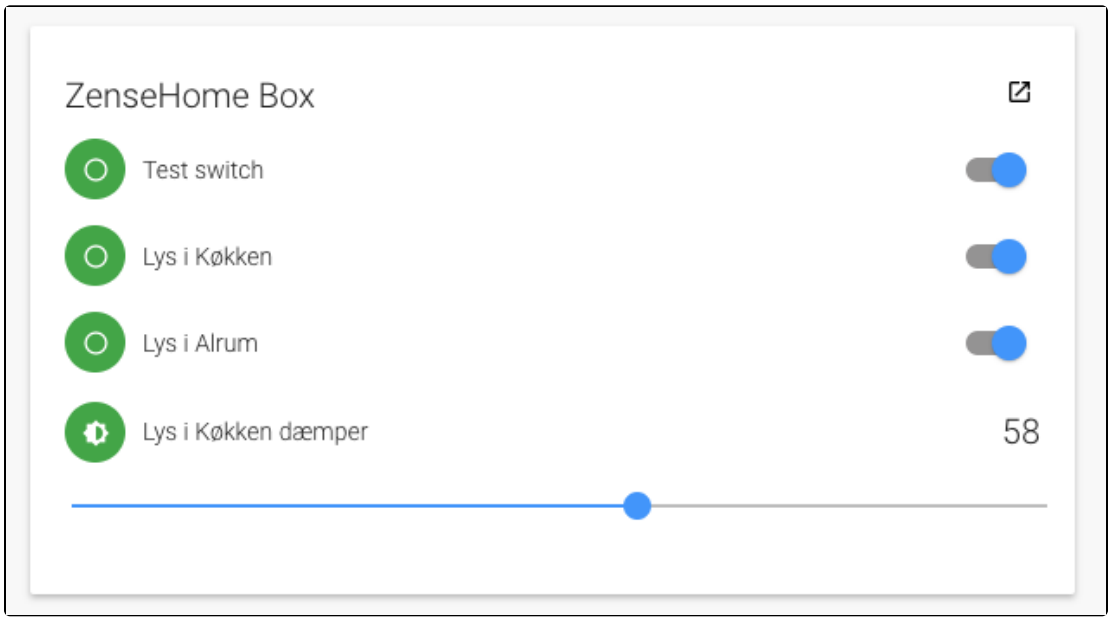
After the Save operation, the Channel has a unique id:



This is is used in Sitemaps and Item files .

Visible and testing in Paper UI - Controls

You should be able to see the Channels in Paper UI and test them:



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