openHAB with Amazon Alexa Skill

Topics

> ⊘ This page is very much WIP - Work In Progress, I have not a complete understanding of the group and tags used in my files 😉 So there is room for some serious improvement.

Alexa Skill with openHAB

The setup itself is described here and works ok - https://www.openhab.org/docs/ecosystem/alexa/ - the use of https://myopenhab.org/ has a few benifits: 1) Takes care of the oAuth2 authentification precess and 2) You dont need to open for openHAB in Your firewall.

After the setup I could not get my.openhab.com to talk to my local openHAB, I saw these in the openhab.log:

```
2017-11-05 17:34:43.985 [ERROR] [io.openhabcloud.internal.CloudClient] - Socket.IO 4 error: not authorized
```

but after a while and a few UUID/Socket entering and restarts it suddenly worked.... I never figured out why...

After the setup, in went onto https://alexa.amazon.com/spa/index.html#appliances and added the skill:

Your Skills

Find in your skills

7	0	0	
ENABLED SKILLS	JUST UPDATED	NEED ATTENTION	FIND MORE SKILLS

RECENTLY ADDED   ALL SKILLS

openHAB
"Alexa, turn on Kitchen"

Dog Facts
"Alexa, tell me a dog fact."

HTTP Status Codes
"Alexa, ask h. t. t. p. status codes, "What is a 200 status code?""

Hit Music 80s
"Alexa, play hit music eighties radio"

Find My Phone
"Alexa, Find My Phone."

BBC
"Alexa, what's my Flash Briefing?"

Plex
"Alexa, ask Plex to play some music"

Then I created some files for binding the speach to Alexa and the (Zensehome) Things together.

Refer to OpenHAB with Zensehome . The Channel is the relation to a Thing; the "mqtt:topic:61a4bec6:kitchen-light" is the unique identifier.

/etc/openhab2/items/alexa.items

```
Switch Kitchen_Light "Kitchen Light" <light> (Kitchen) ["Lighting"] {channel="mqtt:topic:61a4bec6:kitchen-
light"}
Switch Dinner_Table_Light "Dinner Table Light" <light> (Kitchen) ["Lighting"] {channel="mqtt:topic:61a4bec6:
alrum-light"}
Switch Bedroom_Light "Bedroom Light" <light> (Bedroom) ["Lighting"] {channel="mqtt:topic:61a4bec6:bedrom-light"}
Switch Toke_Light "Toke Ceiling Light" <light> (TokesRoom) ["Lighting"] {channel="mqtt:topic:61a4bec6:toke-
light"}
Switch Christopher_Light "Christopher Ceiling Light" <light> (ChristhopersRoom) ["Lighting"] {channel="mqtt:
topic:61a4bec6:christopher-light"}
Switch Large_bathroom_Light "Large Bathroom Light" <light> (LargeBathroom) ["Lighting"] {channel="mqtt:topic:
61a4bec6:large-bathroom"}
Switch Small_Bathroom_Light "Small Bathroom Light" <light> (SmallBathroom) ["Lighting"] {channel="mqtt:topic:
61a4bec6:small-bathroom"}
Switch TV_Light "TV Light" <light> (LivingRoom) ["Lighting"] {channel="mqtt:topic:61a4bec6:livingroom-floor-
switch-south"}
Switch Vintrine_Light "Vitrine Light" <light> (LivingRoom) ["Lighting"] {channel="mqtt:topic:61a4bec6:
livingroom-floor-switch-west"}
Switch Redlamps_Light "Redlamps Light" <light> (LivingRoom) ["Lighting"] {channel="mqtt:topic:61a4bec6:
livingroom-ceiling-north"}
Switch Office_Light "Office Light" <light> (Office) ["Lighting"] {channel="mqtt:topic:61a4bec6:office-ceiling"}
```

/etc/openhab2/items/group.items

```
Group House
Group Livingroom (House)
Group Kitchen (House)
Group Bedroom (House)
Group TokesRoom (House)
Group ChristophersRoom (House)
Group LargeBathRoom (House)
Group SmallBathRoom (House)
Group Office (House)

Switch All_Lights "All Lights" ["Lighting"]
```

Then I went back to Amazon and scanned for Devices.

Scanning for Devices

This little movie shows a rescan of devices:

> ⊘ Notice the "Dinner Table Light" is standing as offline - currently that is a unresolved issue....

Testing

During testing - I did a tail on the Log from OpenHAB with Zensehome to see the commands being passed to the "Java Application as Bridge":

```
Jan 26, 2019 1:10:37 PM zensemqtt.Log logging
INFO: New message with topic: zense/execute/18324, Message: ON
Jan 26, 2019 1:10:47 PM zensemqtt.Log logging
INFO: New message with topic: zense/execute/18324, Message: OFF
Jan 26, 2019 1:11:37 PM zensemqtt.Log logging
INFO: New message with topic: zense/execute/16476, Message: ON
Jan 26, 2019 3:39:52 PM zensemqtt.Log logging
INFO: New message with topic: zense/execute/18324, Message: ON
Jan 26, 2019 3:56:47 PM zensemqtt.Log logging
INFO: New message with topic: zense/execute/18324, Message: ON
Jan 26, 2019 5:23:39 PM zensemqtt.Log logging
INFO: New message with topic: zense/execute/18324, Message: ON
Jan 27, 2019 12:08:51 PM zensemqtt.Log logging
INFO: New message with topic: zense/execute/18324, Message: ON
Jan 27, 2019 12:27:12 PM zensemqtt.Log logging
INFO: New message with topic: zense/execute/18324, Message: OFF
```