

Alexa-Integration für redmatic/node-red

- Voraussetzung
 - Laufende redmatic/node-red Installation
 - Verbindung zu Homematic konfiguriert etc.
- Vorgehensweise
 - Account bei Ben Hardills Dienst <https://alexa-node-red.bm.hardill.me.uk/login> anlegen
 - Geräte bei Ben Hardills Dienst anlegen
 - node-red-contrib-alexa-home-skill in redmatic installieren
 - Skill konfigurieren und loslegen
 - Verarbeitung für Fortgeschrittene
- Fazit und Ausblick



Account bei Ben Hardills Dienst <https://alexa-node-red.bm.hardill.me.uk/login> anlegen

Node-RED Alexa Home Skill Bridge

[Home](#) [Documentation](#) [About](#)

[Login](#) or [Register](#)

Username:

(can contain any utf-8 chars except /, + or # and must not start with \$)

Email:

(will only be used to send password resets and notices about the running of the service)

Password:


Please enter password again

Password:

Register

Gerät bei Ben Hardills Dienst anlegen

Node-RED Alexa Home Skill Bridge [Home](#) [Documentation](#) **[Devices](#)** [About](#)

Logout - 

Add New Device

Name:

Description:

Actions

On: ☐ Off: ☐

%: ☐ +%: ☐ -%: ☐

°C/F: ☐ +°C/F: ☐ -°C/F: ☐

Query Set Point: ☐

Query Current Temp: ☐

Lock/Unlock ☐

Query Lock State ☐

Set Color ☐

Set Color Temperature ☐

Increment Color Temperature ☐

Decrement Color Temperature ☐

Application Type

LIGHT: ☐

SWITCH: ☐

SMARTPLUG: ☐

THERMOSTAT: ☐

SMARTLOCK: ☐

ACTIVITY: ☐

OK

Cancel

Gerät bei Ben Hardills Dienst anlegen

Node-RED Alexa Home Skill Bridge

HomeDocumentationDevicesAbout

Logout -

Add New Device

Name: Licht Esszimmer

Description:
Licht Esszimmer

Actions

On: ☒ Off: ☒

%: ☒ +%: ☒ -%: ☒

°C/F: ☐ +°C/F: ☐ -°C/F: ☐

Query Set Point: ☐

Query Current Temp: ☐

Lock/Unlock ☐

Query Lock State ☐

Set Color ☐

Set Color Temperature ☐

Increment Color Temperature ☐

Decrement Color Temperature ☐

Application Type

LIGHT: ☒

SWITCH: ☐

SMARTPLUG: ☐

THERMOSTAT: ☐

SMARTLOCK: ☐

ACTIVITY: ☐

OK

Cancel

Gerät bei Ben Hardills Dienst anlegen

Node-RED Alexa Home Skill Bridge Home Documentation **Devices** About

[Logout](#) - __

Add New Device

Name:

Description:

Actions

On: ☒ Off: ☒

%: ☐ +%: ☐ -%: ☐

°C/F: ☒ +°C/F: ☒ -°C/F: ☒

Query Set Point: ☒

Query Current Temp: ☒

Lock/Unlock ☐

Query Lock State ☐

Set Color ☐

Set Color Temperature ☐

Increment Color Temperature ☐

Decrement Color Temperature ☐

Application Type

LIGHT: ☐

SWITCH: ☐

SMARTPLUG: ☐

THERMOSTAT: ☒

SMARTLOCK: ☐

ACTIVITY: ☐

OK

Cancel

node-red-contrib-alexa-home-skill in redmatic installieren

The screenshot shows the Redmatic web interface. At the top, there's a dark header with a menu icon and a dropdown menu set to 'Implementieren'. Below this, the 'Benutzereinstellungen' (User Settings) panel is open, featuring a red 'Schließen' (Close) button. The panel has tabs for 'Ansicht' (View) and 'Tastatur' (Keyboard). The 'Ansicht' tab is active, showing a search bar with the text 'node-red-contrib-alexa-home-skill' and a 'Sortierung' (Sorting) dropdown set to 'a-z'. Below the search bar, a single node is listed: 'node-red-contrib-alexa-home-skill' with a description 'This node allows you to hook up Node-RED to react to your Amazon Echo.' and a version '0.1.17'. A small 'installiert' (installed) button is visible next to the node. To the right of the settings panel, the 'info' sidebar is open, displaying 'Informationen' (Information) for the selected node, including the Flow ID 'e2d7a0c0.3a6b', Name 'Alexa', and Status 'Aktiviert' (Active). Below the information, there's a 'Description' section which is currently empty.

Benutzereinstellungen

Schließen

Ansicht Knoten installieren

Tastatur Sortierung: a-z kürzlich

node-red-contrib-alexa-home-skill 1 / 1932

node-red-contrib-alexa-home-skill

This node allows you to hook up Node-RED to react to your Amazon Echo.

0.1.17 0.1.17 Jahr, 3 Monaten installiert

info

Informationen

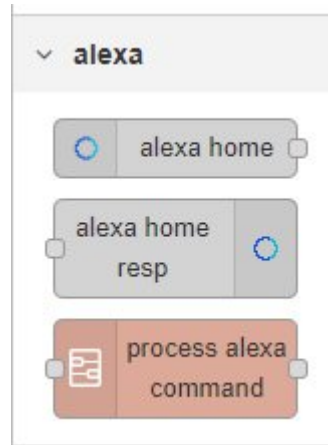
Flow "e2d7a0c0.3a6b"

Name Alexa

Status Aktiviert

Description

node-red-contrib-alexa-home-skill in redmatic installieren



Skill konfigurieren und loslegen



Skill konfigurieren und loslegen

alexa-home Knoten bearbeiten

Löschen Abbrechen Fertig

⚙ Properties

Account Neuen alexa-home-conf hinzufügen ...

Device

☒ Auto Acknowledge

Topic

alexa-home Knoten bearbeiten

Löschen Abbrechen Fertig

⚙ Properties

Account anli

Device Licht Bad

☒ Auto Acknowledge

Topic

Skill konfigurieren und loslegen



Skill konfigurieren und loslegen

The screenshot displays the Node-RED web interface. The top navigation bar includes tabs for 'Unterstützung' and 'Heizungssteuerung', along with icons for play, add, and menu. The main workspace on the left shows a flow with two nodes: 'Licht Bad' (a blue circle icon) and 'msg' (a green rectangle icon). The 'Licht Bad' node is highlighted with an orange border and has a green 'connected' status indicator below it. The 'msg' node is connected to it via a line. On the right, the 'Debugging' sidebar is open, showing a log of messages. The top of the sidebar has icons for info, reset, log, settings, and a dropdown menu. Below these is a button labeled 'Alle Knoten' and a trash icon. The log entry shows a timestamp '5.4.2019, 12:44:34' and a node ID '48ae2dad.4e5d94'. The message is an object with the following properties:

```
msg : Object
  object
    topic: ""
    name: "Licht Bad"
    _messageId: "9f75137c-ea26-4a6a-ac33-c38dedff296e"
    _applianceId: "44932"
    _confId: "5707bdd6.211624"
    command: "TurnOnRequest"
    extraInfo: object
      payload: true
      _msgid: "68244985.5f7c18"
```

Skill konfigurieren und loslegen

The screenshot displays the Alexa Skills Kit (ASK) console interface. On the left, a visual workflow diagram shows a sequence of actions: a 'Licht Bad' (Light Bathroom) trigger, followed by an 'Alexa' service, and then another 'Licht Bad' action. Two 'msg' (message) blocks are connected to the workflow. The right panel, titled 'Debugging', shows the execution log. The first log entry, dated 5.4.2019, 12:56:50, shows a message object with a 'payload' of 1. The second log entry, dated 5.4.2019, 12:56:51, shows a message object with a 'payload' of true. Both 'payload' values are highlighted with red boxes. The top navigation bar includes tabs for 'push notifications', 'Rolläden', 'Alexa', and 'Alexa Usertreffen', along with an 'Implementieren' button and a menu icon.

```
5.4.2019, 12:56:50 node: 687bb926.7c4968
msg : Object
  object
    topic: ""
    name: "Licht Bad"
    _messageId: "1c7c04db-f9b7-4271-bc73-d3646fe70a9d"
    _applianceId: "44932"
    _confId: "5707bdd6.211624"
    command: "TurnOnRequest"
    payload: 1
    _msgId: "50f0c35e.9a2b5c"

5.4.2019, 12:56:51 node: ccba1ef.ec39f
msg : Object
  object
    topic: ""
    name: "Licht Bad"
    _messageId: "1c7c04db-f9b7-4271-bc73-d3646fe70a9d"
    _applianceId: "44932"
    _confId: "5707bdd6.211624"
    command: "TurnOnRequest"
    payload: true
    _msgId: "50f0c35e.9a2b5c"
```

Skill konfigurieren und loslegen

The screenshot displays the AWS Lambda console interface for configuring and debugging a skill function.

function Knoten bearbeiten

Buttons: Löschen, Abbrechen, Fertig

Properties

Name: Alexa

Funktion

```
1 switch (msg.command) {
2   case "TurnOnRequest":
3     if (msg.payload)
4       msg.payload = 1;
5     return msg;
6   case "TurnOffRequest":
7     if (!msg.payload)
8       msg.payload = 0;
9     return msg;
10 }
```

Debugging

Alle Knoten

5.4.2019, 12:56:51 node: 687bb926.7c4968

msg : Object

object

- topic: ""
- name: "Licht Bad"
- _messageId: "1c7c04db-f9b7-4271-bc73-d3646fe70a9d"
- _applianceId: "44932"
- _confId: "5707bdd6.211624"
- command: "TurnOnRequest"
- extraInfo: object
- payload: 1
- _msgid: "50f0c35e.9a2b5c"

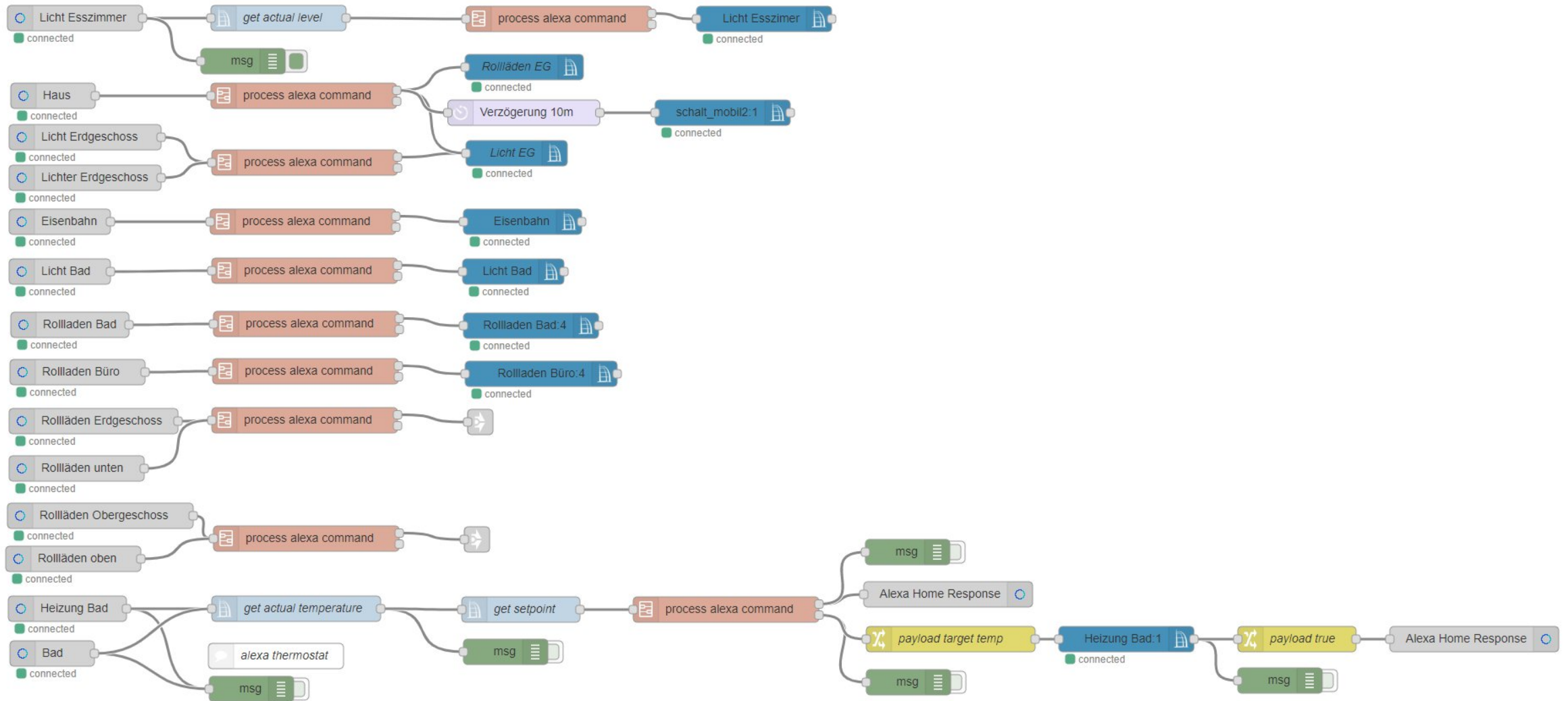
5.4.2019, 12:56:51 node: ccba1ef.ec39f

msg : Object

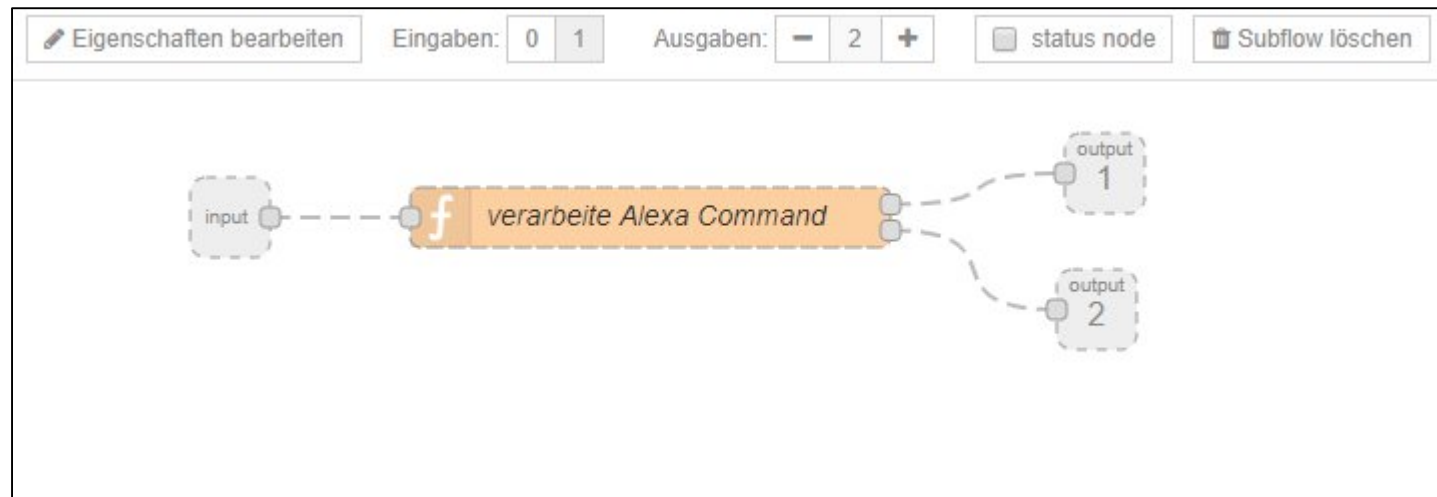
object

- topic: ""
- name: "Licht Bad"
- _messageId: "1c7c04db-f9b7-4271-bc73-d3646fe70a9d"
- _applianceId: "44932"
- _confId: "5707bdd6.211624"
- command: "TurnOnRequest"
- extraInfo: object
- payload: true
- _msgid: "50f0c35e.9a2b5c"

Verarbeitung für Fortgeschrittene



Verarbeitung für Fortgeschrittene



Verarbeitung für Fortgeschrittene

function Knoten bearbeiten

Löschen Abbrechen Fertig

Properties

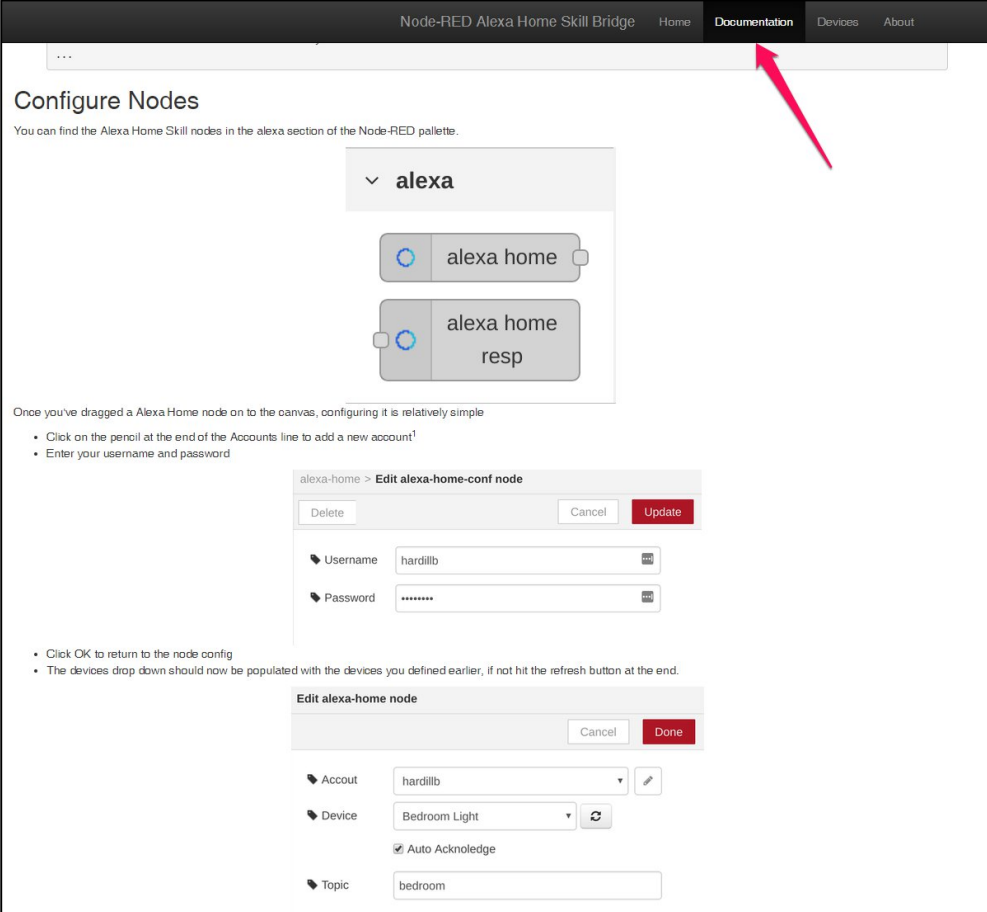
Name: verarbeite Alexa Command

Funktion

```
1 switch (msg.command) {
2   case "TurnOnRequest":
3     if (msg.payload)
4       msg.payload = 1;
5     return [msg, null];
6   case "TurnOffRequest":
7     if (!msg.payload)
8       msg.payload = 0;
9     return [msg, null];
10  case "SetPercentageRequest":
11    if (msg.payload)
12      msg.payload = msg.payload / 100;
13    return [msg, null];
14  case "IncrementPercentageRequest":
15  case "DecrementPercentageRequest":
16    if (msg.name.toLowerCase().indexOf('rollladen') > -1 || msg.name.toLowerCase().indexOf('rolllâden') > -1) {
17      if (msg.payload > 0)
18        msg.payload = 1;
19      else if (msg.payload < 0)
20        msg.payload = 0;
21    }
22    else {
23      if (msg.payload)
24        msg.payload = msg.actual_level + msg.payload / 100;
25    }
26    return [msg, null];
27  case "GetTemperatureReadingRequest":
28    msg.extra = {
29      "temperatureReading": {
30        "value": msg.actual_level
31      },
32      "applianceResponseTimestamp": new Date().toISOString()
33    };
34    msg.payload = true;
35    return [msg, null];
```

```
36 case "GetTargetTemperatureRequest":
37   msg.extra = {
38     targetTemperature: {
39       value: msg.target_level
40     },
41     temperatureMode: {
42       value: "AUTO"
43     }
44   };
45   msg.payload = true;
46   return [msg, null];
47 case "SetTargetTemperatureRequest":
48   let range = {
49     min: 5.0,
50     max: 30.0
51   }
52   if (msg.payload < range.min || msg.payload > range.max) {
53     msg.payload = false;
54     msg.extra = range;
55   } else {
56     msg.extra = {
57       targetTemperature: {
58         value: msg.payload
59       }
60     };
61     msg.payload = true;
62   }
63   return [null, msg];
64 }
```

Verarbeitung für Fortgeschrittene



The screenshot displays the 'Node-RED Alexa Home Skill Bridge' interface. The top navigation bar includes 'Home', 'Documentation' (highlighted with a red arrow), 'Devices', and 'About'. Below the navigation bar, the 'Configure Nodes' section is visible, with a sub-header 'alexas' and two nodes: 'alexas home' and 'alexas home resp'. A red arrow points to the 'Documentation' tab in the top navigation bar.

Node-RED Alexa Home Skill Bridge Home **Documentation** Devices About

Configure Nodes

You can find the Alexa Home Skill nodes in the alexas section of the Node-RED palette.

alexas

- alexas home
- alexas home resp

Once you've dragged a Alexa Home node on to the canvas, configuring it is relatively simple

- Click on the pencil at the end of the Accounts line to add a new account¹
- Enter your username and password

alexas-home > Edit alexas-home-conf node

Delete Cancel Update

Username hardillb

Password

- Click OK to return to the node config
- The devices drop down should now be populated with the devices you defined earlier, if not hit the refresh button at the end.

Edit alexas-home node

Cancel Done

Account hardillb

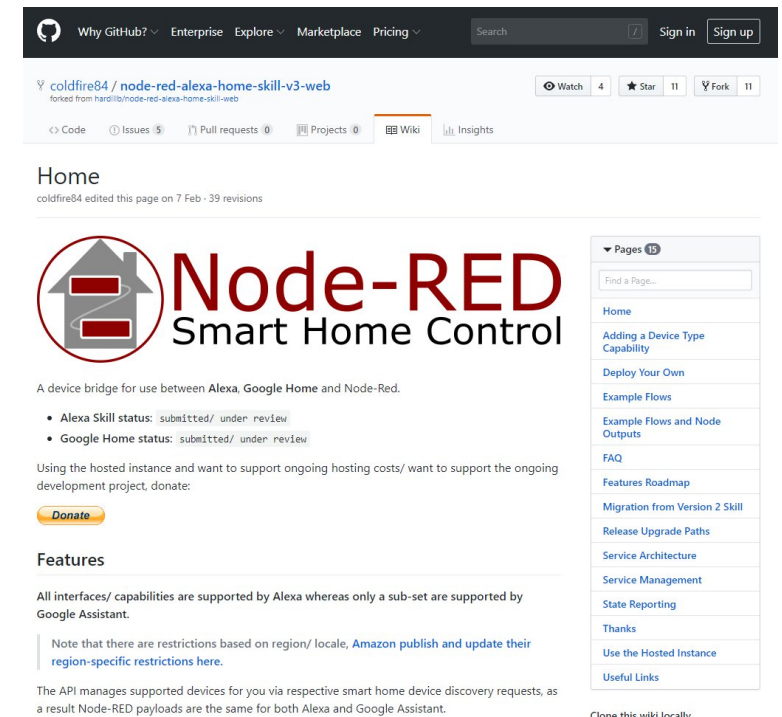
Device Bedroom Light

☒ Auto Acknowledge

Topic bedroom

Fazit und Ausblick

- Einfach zu bedienen, vielfältige Szenarien möglich
- Läuft sehr stabil
- Alternative: API v3 mit <https://github.com/coldfire84/node-red-alexa-home-skill-v3-web/wiki>



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coldfire84 / node-red-alexa-home-skill-v3-web
forked from harplib/node-red-alexa-home-skill-web

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Code Issues 5 Pull requests 0 Projects 0 Wiki Insights

Home

coldfire84 edited this page on 7 Feb · 39 revisions



Node-RED

Smart Home Control

A device bridge for use between Alexa, Google Home and Node-Red.

- Alexa Skill status: submitted/ under review
- Google Home status: submitted/ under review

Using the hosted instance and want to support ongoing hosting costs/ want to support the ongoing development project, donate:

[Donate](#)

Features

All interfaces/ capabilities are supported by Alexa whereas only a sub-set are supported by Google Assistant.

Note that there are restrictions based on region/ locale, [Amazon publish and update their region-specific restrictions here](#).

The API manages supported devices for you via respective smart home device discovery requests, as a result Node-RED payloads are the same for both Alexa and Google Assistant.

Pages 15

Find a Page...

- Home
- Adding a Device Type Capability
- Deploy Your Own
- Example Flows
- Example Flows and Node Outputs
- FAQ
- Features Roadmap
- Migration from Version 2 Skill
- Release Upgrade Paths
- Service Architecture
- Service Management
- State Reporting
- Thanks
- Use the Hosted Instance
- Useful Links

Close this wiki locally

Vielen Dank für Ihre Aufmerksamkeit!