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Table of Contents

1	Google Assistant SDK.....	3
1.1	Setting Up Google SDK Account	3
1.2	Add Google SDK to HA.....	4
1.3	Controlling a Device.....	5
1.3.1	Control a Device.....	5
1.3.2	Create Flags and Buttons.....	5
1.3.3	Create Script.....	5
1.3.4	Create Automation	7

1 Google Assistant SDK

1.1 Setting Up Google SDK Account

- Go to Google Cloud Console: [Google Console](#)

Name *

HomeAssistant

The name of your OAuth 2.0 client. This name is only used to identify the client in the console and will not be shown to end users.

The domains of the URIs you add below will be automatically added to your [OAuth consent screen](#) as [authorized domains](#).

Authorized JavaScript origins

For use with requests from a browser

+ ADD URI

Authorized redirect URIs

For use with requests from a web server

URIs 1 *

https://my.home-assistant.io/redirect/oauth

+ ADD URI

Note: It may take 5 minutes to a few hours for settings to take effect

SAVE

CANCEL

Additional information

Client ID	462756403998-u62mkbdikgc1o8cnb1jnlcvpfjb8kkn3.apps.googleusercontent.com
Creation date	April 27, 2024 at 11:16:30 PM GMT-4

Client secrets

If you are in the process of changing client secrets, you can manually rotate them without downtime. [Learn more](#)

Client secret	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h	<div></div>
Creation date	April 27, 2024 at 11:16:30 PM GMT-4	
Status	Enabled	

+ ADD SECRET

- Go to Enabled APIs & Services

API APIs & Services

Enabled APIs & services

Library

Credentials

- Search for google assistant API

google assistant

SEARCH RESULTS

API

Google Assistant API

Google

Google Assistant | Dialogflow ES

- And enable it
- Create Credentials
- Go to Credentials

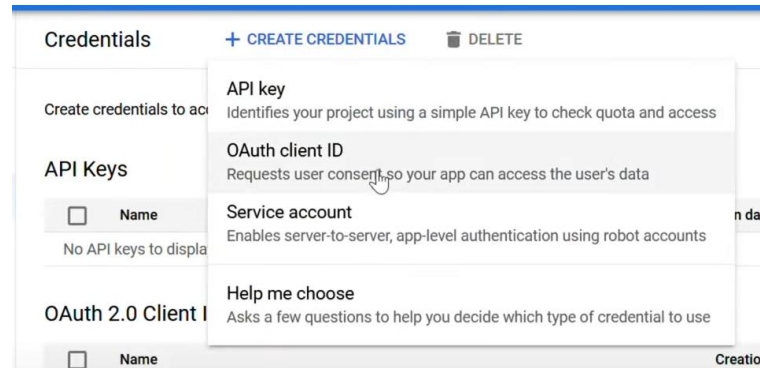
API APIs & Services

Enabled APIs & services

Library

Credentials

3

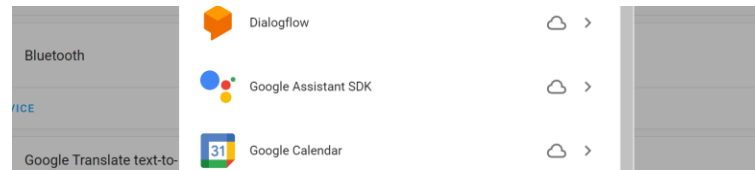


- Application type: Web Application

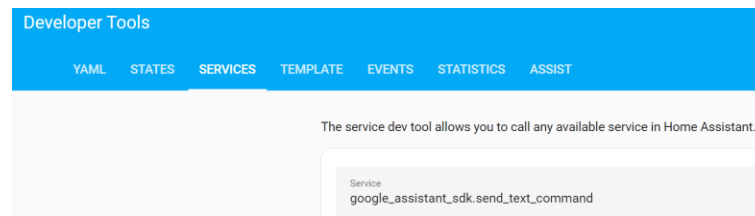
1.2 Add Google SDK to HA

Integrate Google SDK

- Go to Add Integration and search for Google/Google Assistant SDK



- Go to “Developer Tools → Services”
- Search for google sdk

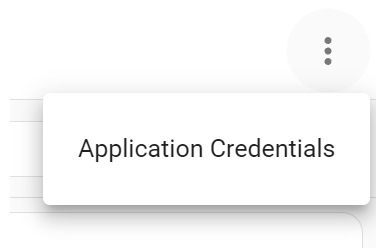


Link Google account

- Use Client ID and Client Secret

Troubleshooting

- Access Denied:
 - Go to Application Credentials

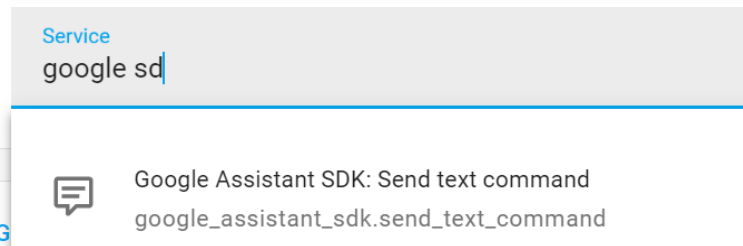


- Delete Google SDK and reinstall

1.3 Controlling a Device

1.3.1 Control a Device

- Go to “Developer Tools → Services”
- Search for Google Send Text Command



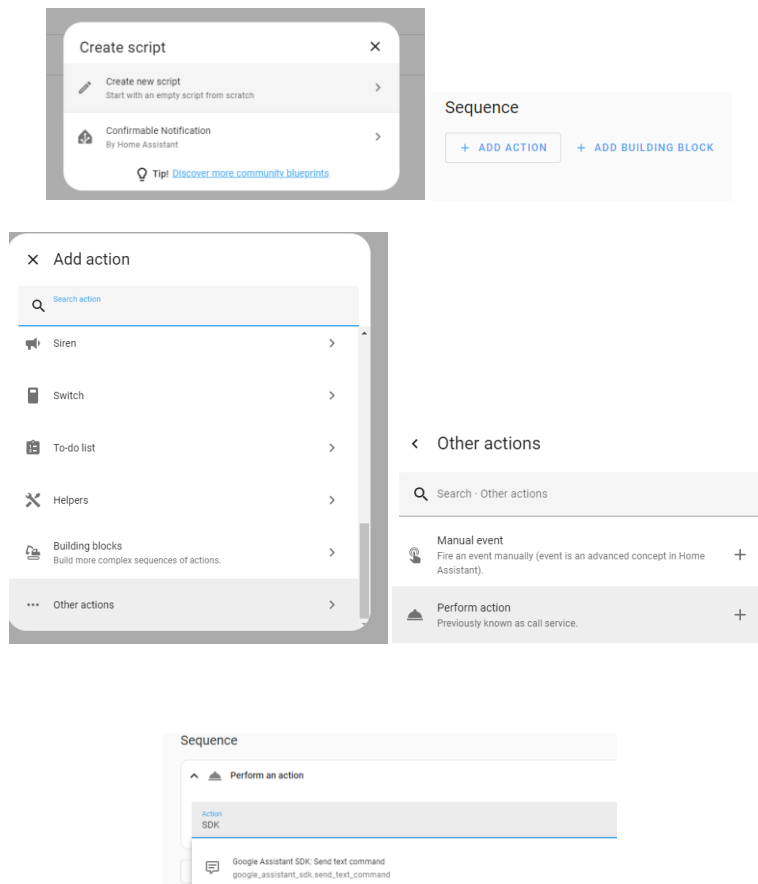
- Enable Command and write a command the way you would call Google. To control a device, use its name as defined in the Google Home app.

1.3.2 Create Flags and Buttons

- We can use Helper Button “floor_fan_button”, or Helper Toggle (flag) to trigger the automation.
- In Helpers, create Buttons, one for on and another one for off.
- What about vent_fan_button?
- Create flag variable “floor_fan_flag” to keep track of state (open-ended, no actual feedback).

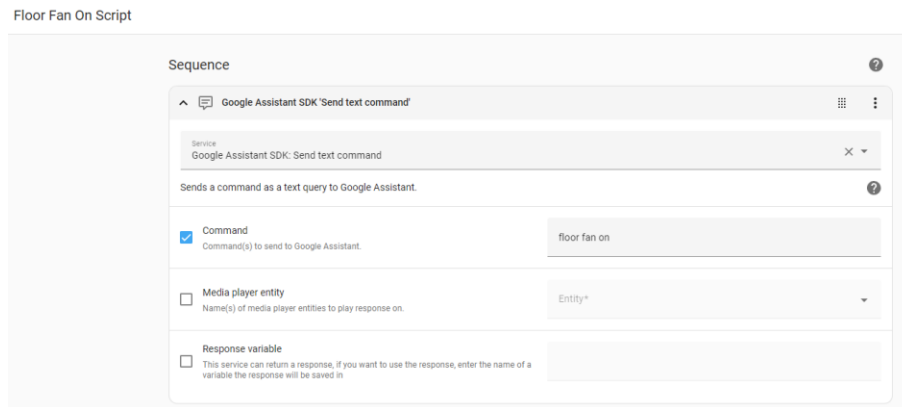
1.3.3 Create Script

- Create 2 scripts, one to turn on and the other to turn off, i.e., “Floor Fan Script On” and “Floor Fan Script Off”.
- Add Script → Create New Script → Add Action → Other Actions → Perform Action → Google SDK

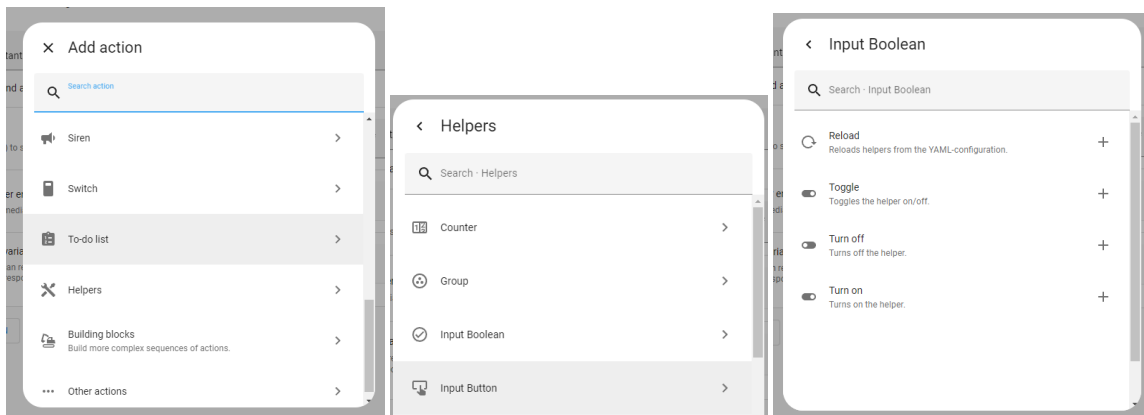


- Steps

1. Fill in the Google SDK Command



2. Then configure Helper → Input Boolean → and from Entity, choose the Boolean flag to update, i.e, Turn On/Off to update the flag.



Floor Fan Off Script

Sequence

Google Assistant SDK 'Send text command'

Service: Google Assistant SDK: Send text command

Sends a command as a text query to Google Assistant.

☒ **Command**
Command(s) to send to Google Assistant. floor fan off

☐ **Media player entity**
Name(s) of media player entities to play response on. Entity*

☐ **Response variable**
This service can return a response, if you want to use the response, enter the name of a variable the response will be saved in.

Input Boolean 'Turn off' on Floor_Fan_Flag

Service: Input Boolean: Turn off

Turns off the helper.

Targets
What should this service use as targeted areas, devices or entities.

Floor_Fan_Flag

+ Choose area + Choose device + Choose entity

1.3.4 Create Automation

- Create Automation Floor_Fan_Automation, triggered by the flag state or Helper input_button.
- To trigger by flag: When → Entity → State → choose flag, **Not sure about button name yet**

When

When Floor_Fan_Flag changes state or any attributes

Entity

Entity: Floor_Fan_Flag

- Then Do: Check if flag is off, then call off automation, else call the on automation

Then do

Choose between 2 actions

Option 1:

Conditions:

Confirm Floor_Fan_Flag is Off

+ ADD CONDITION

+ ADD BUILDING BLOCK

Actions:

Call a service 'Scripts: Floor Fan Off Script'

Service

Scripts: Floor Fan Off Script

?

Response variable

This service can return a response, if you want to use the response, enter the name of a variable the response will be saved in

+ ADD ACTION

+ ADD BUILDING BLOCK

+ ADD OPTION

Default actions:

Call a service 'Scripts: Floor Fan On Script'

Service

Scripts: Floor Fan On Script