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External APIs REST API

**REST API** 

Home Assistant provides a RESTful API on the same port as the web frontend (default port is port 8123).

If you are not using the frontend in your setup then you need to add the api integration to your configuration.yaml file.

Actions

- http://IP\_ADDRESS:8123/ is an interface to control Home Assistant.
- http://IP\_ADDRESS:8123/api/ is a RESTful API.

The API accepts and returns only JSON encoded objects.

All API calls have to be accompanied by the header Authorization: Bearer TOKEN, where TOKEN is replaced by your unique access token. You obtain a token ("Long-Lived Access Token") by logging into the frontend using a web browser, and going to your profile http://IP\_ADDRESS:8123/profile. Be careful to copy the whole key.

There are multiple ways to consume the Home Assistant Rest API. One is with curl:

```
curl \
 –H "Authorization: Bearer TOKEN" \
 -H "Content-Type: application/json" \
 http://IP_ADDRESS:8123/ENDP0INT
```

Another option is to use Python and the Requests module.

```
from requests import get
url = "http://localhost:8123/ENDPOINT"
headers = {
    "Authorization": "Bearer TOKEN",
    "content-type": "application/json",
response = get(url, headers=headers)
print(response.text)
```

Another option is to use the RESTful Command integration in a Home Assistant automation or script.

```
turn_light_on:
 url: http://localhost:8123/api/states/light.study_light
 method: POST
 headers:
   authorization: 'Bearer TOKEN'
   content-type: 'application/json'
 payload: '{"state":"on"}'
```

Successful calls will return status code 200 or 201. Other status codes that can return are:

- 400 (Bad Request)
- 401 (Unauthorized)
- 404 (Not Found)
- 405 (Method Not Allowed)

## Actions

The API supports the following actions:

```
/api/
 GET
        /api/config
 GET
        /api/events
 GET
        /api/services
 GET
        /api/history/period/<timestamp>
 GET
        /api/logbook/<timestamp>
        /api/states
 GET
        /api/states/<entity_id>
 GET
        /api/error_log
 GET
         /api/camera_proxy/<camera entity_id>
 GET
         /api/calendars
 GET
         /api/calendars/<calendar entity_id>?start=<timestamp>&end=<timestamp>
 GET
         /api/states/<entity_id>
POST
         /api/events/<event_type>
POST
         /api/services/<domain>/<service>
POST
        /api/template
POST
         /api/config/core/check_config
POST
         /api/intent/handle
POST
         /api/states/<entity_id>
DELETE
```

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Thanks