Actions

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.

- `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/ENDPOINT
```

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:

GET	`/api/`	🔒
GET	`/api/config`	🔒
GET	`/api/events`	🔒
GET	`/api/services`	🔒
GET	`/api/history/period/<timestamp>`	🔒
GET	`/api/logbook/<timestamp>`	🔒
GET	`/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>`	🔒
POST	`/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`	🔒
DELETE	`/api/states/<entity_id>`	🔒

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