



Integration with the LP

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Authorization of API calls against the LP backends is done via a JWT that is send with each call using the standard HTTP Authorization header. E.g.:

```
curl -H "Authorization: Bearer <your session token>" -H "Cont
```

For security reasons tokens expire within 10 minutes, but can be refreshed before it expires.

Acquiring the Session Token

To acquire a session token programmatically, instead of copying it from the network tab in your browser, you have to authenticate yourself against the LP backend using the Google Identity Service.

1. Use any google library to acquire a Google "ID token"
 - a. the Google Client ID: `358660676559-02rrefr671bdi1chqtd3l0c44mc8jt9p.apps.googleusercontent.com`
2. Send a sign-in request to the LP backend with your Google ID token as the variable "code", e.g.:

```
curl -X POST -v
-H "Content-Type: application/json"
-d '{"variables":{"code":"<your ID token>"},"operationNa
https://api.app.code.berlin/graphql
```

```
# returns: { "data": { "googleSignin": { "token": "<your n
```

Refresh the Session Token

There is a separate refresh token that can be used to request a new session token without having to do a new google sign-in.

1. The LP server uses the response header "set-cookie" to send the refresh token as secure, http-only cookie
 - a. cookie name is "**cid**"
 - b. header is set in both the googleSignin GraphQL operation described in point 2. above and the "cid_refresh" endpoint below
2. Add logic to your app/script to check the session token's expire field (see JWT standard)
3. Send a request to the cid_refresh endpoint with the refresh token as cookie, if, or ideally a few seconds before, the session token is expired, e.g.:

```
curl -X POST -v
  --cookie "cid=<your refresh token>"
  https://api.app.code.berlin/cid_refresh

# returns: { "ok": true, "token": "<your new session token>"
```

GraphQL API

Most endpoints of the LP are GraphQL operations. You can use the standard **schema**-query to get an API documentation, e.g.:

```
curl
  -H "Content-Type: application/json"
  -d '{"query":"{__schema{queryType{fields{name description a
  https://api.app.code.berlin/graphql
```