



# Authentication

Outline:

- [Authentication with username and password](#)
- [Authentication Token management](#)

Waldur MasterMind exposes REST API for all of its operations. Below are examples of typical operations performed against APIs. To run the examples, we are using a [HTTPie](#).

Almost all of the operations with API require an authentication token. Below we list two methods on how to get it.

## Authentication with username and password

If your account is allowed to use username/password and the method is enabled (e.g. in dev environment), you can get a new token by submitting a username/password as JSON to a specific endpoint.

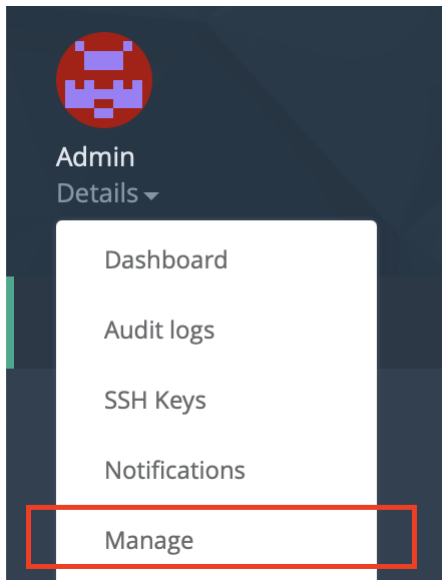
```

1  $ http -v POST https://waldur.example.com/api-auth/password/
2  username=user password=password
3
4  POST /api-auth/password/ HTTP/1.1
5  Accept: application/json, */*;q=0.5
6  Accept-Encoding: gzip, deflate
7  Connection: keep-alive
8  Content-Length: 40
9  Content-Type: application/json
10 Host: waldur.example.com
11 User-Agent: HTTPie/2.3.0
12
13 {
14     "password": "user",
15     "username": "password"
16 }
17
18 HTTP/1.1 200 OK
19 Access-Control-Allow-Credentials: true
20 Access-Control-Allow-Headers: Accept, Accept-Encoding, Authorization,
21 Content-Type, Origin, User-Agent, X-CSRFToken, X-Requested-With
22 Access-Control-Allow-Methods: DELETE, GET, OPTIONS, PATCH, POST, PUT
23 Access-Control-Allow-Origin: *
24 Access-Control-Expose-Headers: Link, X-Result-Count
25 Allow: POST, OPTIONS
26 Content-Language: en
27 Content-Length: 52
28 Content-Security-Policy: report-uri csp.hpc.ut.ee; form-action 'self';
29 Content-Type: application/json
30 Date: Mon, 05 Apr 2021 14:37:55 GMT
31 Referrer-Policy: no-referrer-when-downgrade
32 Strict-Transport-Security: max-age=31536000; preload
33 Vary: Accept-Language, Cookie
34 X-Content-Type-Options: nosniff
35 X-Frame-Options: SAMEORIGIN
36 X-XSS-Protection: 1; mode=block
37
38 {
39     "token": "65b4c4f5e25f0cadb3e11c181be4ffa3881741f8"
40 }

```

## Authentication Token management

The easiest way to get your token is via Waldur HomePort. Go to user workspace by selecting 'Manage' in the user drop-down.



Scroll down to the Current API token field and click on the 'eye' icon to display the token.

Current API token	<div>.....</div> <div></div>
API token lifetime ⓘ	<div>1 h</div> <div>▼</div>