

Authentication

Outline:

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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.

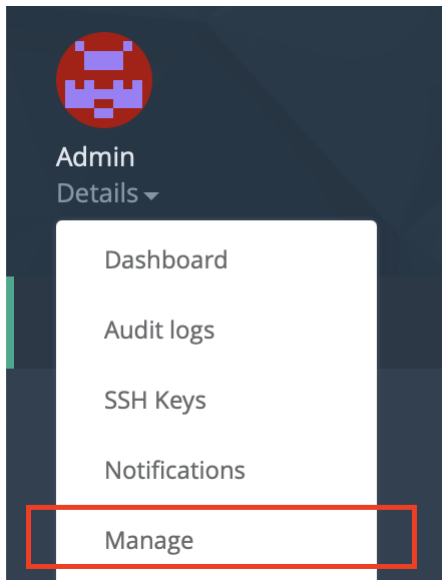
```

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>