

Getting Started Using the Client-Server API

The [Client-Server API](#) allows a user to perform any action they could via a Matrix client programatically. In order to make use of the API you will need to retrieve an access token for your account.

Getting your `access_token`

In order to use the [Client-Server API](#) you will need to authenticate your calls to the API using an `access_token` from your user account. You can find your `access_token` from the [Help & About](#) section of your settings. Check out the [Help & About](#) page from the [Element Web/Desktop Client Settings](#) chapter for more guidance.

Making a Client-Server API request

Using your preferred method, you will need to authenticate each request to a Client-Server API endpoint by providing the token as either a query parameter or a request header. To add it as a request header in cURL, you can use the following, replacing `syt_AjfVef2_L33JNpafeif_0feKJfeaf0CQpoZk` with your own `access_token`:

```
curl --header "Authorization: Bearer syt_AjfVef2_L33JNpafeif_0feKJfeaf0CQpoZk" -X GET
https://HOMESERVER_URL/_matrix/client/v0/profile/@user:example.com
```

Here is the equivalent action using Python and the `requests` library:

```
import requests

headers = {
    'Authorization': 'Bearer syt_AjfVef2_L33JNpafeif_0feKJfeaf0CQpoZk',
}

response = requests.get('https://HOMESERVER_URL/_matrix/client/v0/profile/@user:example.com',
headers=headers)
```

Further details on the using the API are out-of-scope for this documentation, please consult the [Client-Server API](#) documentation.

Revision #3

Created 8 November 2023 11:53:42 by Kieran Mitchell Lane

Updated 6 November 2024 12:52:13 by Kieran Mitchell Lane