

# Create client automatically (AMPAREX API)

The OpenAPI document is a JSON document and describes the API format. Using such generic OpenAPI documents various REST clients can be created automatically e.g. JavaScript, Java or C #.

## OpenAPI Dokument

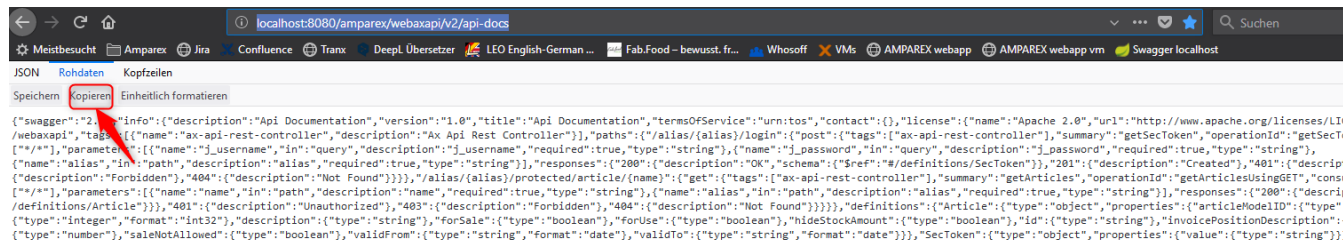
The following link can be used to access the OpenAPI document of the AMPAREX API:

- <https://<host>/amparex/webaxapi/v2/api-docs>

or

- <http://<host>:8080/amparex/webaxapi/v2/api-docs>

Depending on the server, <host> must be replaced by the server name (e.g. preview1). The result is a JSON document that has to be copied from the browser:



### Please note

Access to the Open API document only works on test servers.

The below JSON document is a description of AMPAREX API for SwaggerHub.

## SwaggerHub

In order to visualize the API one needs the Swagger tool, 'Swagger-UI'. The following steps are necessary to set it up:

	Description
	01) Create an account under SwaggerHub 02) Log in to SwaggerHub 03) Create a new API

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<div><div>Select a Template or create a Blank API</div><div>Enter a unique name for your API definition below and select a Template Select <i>None</i> for a Blank API.</div><div><div>OpenAPI Version</div><div>2.0</div></div><div><div>Template</div><div>None</div></div><div><div>Name</div><div>AMPAREX-API</div></div><div><div>Version</div><div>1.0</div></div><div><div>Title</div><div>AMPAREX API</div></div><div><div>Description</div><div>AMPAREX API</div></div><div><div>Visibility</div><div>Private</div></div><div><div>Auto Mock API</div><div>ON</div></div><div><div>Owner</div><div>AMPAREX</div></div><div><div>CANCEL</div><div>CREATE API</div></div></div>	<p>04) Fill out the dialogue as shown on the right</p> <p>05) Click 'Create New API'</p> <p>06) The Swagger UI will open with the OpenAPI editor. The editor is on the left and the API documentation is on the right</p>
<div><div>SWAGGERhub</div><div>SMARTBEAR</div><div>AMPAREX   AMPAREX-API...   1.0</div><div>PRIVATE UNPUBLISHED</div><div>Editor Split UI</div><div>Last Saved: 08:52:53 am May 23, 2018</div><div>Show O...</div><div><pre>1 swagger: '2.0' 2 info: 3   version: '1.0' 4   title: 'AMPAREX API' 5   description: 'AMPAREX API' 6 paths: {} 7 # Added by API Auto Mocking Plugin 8 host: virtserver.swaggerhub.com 9 basePath: /AMPAREX/AMPAREX-API/1.0 10 schemes: 11   - https</pre></div><div>AMPAREX API</div><div>[ Base URL: virtserver.swaggerhub.com/AMPAREX/AMPAREX-API/1.0</div><div>AMPAREX API</div></div>	<p>07) Now copy the previously copied OpenAPI JSON document from the URL 'http: //localhost: 8080/amparex /webaxapi/v2/api-docs' into the left editor window</p> <p>08) Confirm the question whether to convert from JSON to XAML with 'Yes'</p>

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## Api Documentation

1.0

[ Base URL: localhost:8080/amparex/webxapi ]

Api Documentation  
[Terms of service](#)  
[Apache 2.0](#)

### ax-api-rest-controller Ax Api Rest Controller

POST

/alias/{alias}/login getSecToken

GET

/alias/{alias}/protected/article/{name} getArticles

#### Models

Article >

SecToken >

PRIVATE UNPUBLISHED

Download Client

Download Server

Download JSON (Resolved)

Download JSON (Unresolved)

Download YAML (Resolved)

Download YAML (Unresolved)

Save

Comments

1

2

3

## AMPAREX Rest API Doc

1.0

Base URL: localhost:8080/amparex/webxapi ]

is is the description of the AMPAREX Rest API. All REST documentation. Direct calls to the server are possible over following steps are needed to use the API:

Get the alias identifier of your login account from AMPAREX service account -> copy alias token)

Please use the login URL /alias/{alias}/login with your created bearer token from login response

Then click "Authorize" on the top of this page

Insert into the field "value": "Bearer {Your Bearer token}" (without {}) for example "Bearer 334d34d3dgh5tz5h5h"

Click Authorize

Bearer token will be automatically used in the header for every following API call

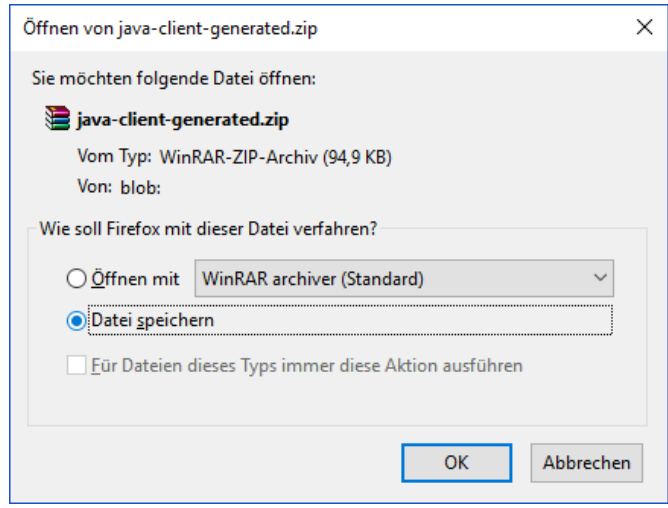
09) The API documentation is now shown in the preview on the right.

10) This document is the API documentation. In the upper part you'll find the individual access methods for the API. The lower part describes the 'model' which means the entities (e.g. article).

11) There is a download button in the SwaggerHub header menu. It can be used to easily create a RestClient project in order to use the API more conveniently

12) There are many different languages to be found. In our example, a Java client is created

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	<p>13) The created zip file will be saved.</p> <p>14) The project can be opened in a Java development environment. The best would be to create a JAR file from it.</p>
<p>15) A 'Test Main Class' shows the use of the Rest Java client</p> <div data-bbox="178 703 1489 1900"><h3>Rest Client Verwendung</h3><pre>import io.swagger.client.api.ArticlesApi; import io.swagger.client.api.LoginApi; import io.swagger.client.model.*;  import java.util.List;  public class Main {     public static void main(String[] args) throws Exception {         // Configuration         LoginApi loginApi = new LoginApi();         ApiClient apiClient = loginApi.getApiClient();         apiClient.setBasePath("https://preview8.amparex.net/amparex/webaxapi"); // base path, set         hostthere         apiClient.setConnectTimeout(3 * 1000); // 3 seconds         apiClient.setReadTimeout(30 * 1000); // 30 seconds         apiClient.setWriteTimeout(10 * 1000); // 10 seconds          // use your user, password and alias here         // login and get security token (Bearer token)         SecToken secTokenWrap = loginApi.getSecTokenUsingPOST("tester", "tester!8X", "pa-a-ffh6ioqxzje- ceabuy_dtzdvp_h0hwjitjvyls=");         String secToken = secTokenWrap.getValue();          // create search query for articles         ArticleSearchQuery articleSearchQuery = new ArticleSearchQuery();         articleSearchQuery.setName("Ace");         SearchQueryMetaData searchQueryMetaData = new SearchQueryMetaData();         searchQueryMetaData.setLimit(10);         searchQueryMetaData.setPage(1);         articleSearchQuery.setMetaData(searchQueryMetaData);          // search articles         ArticlesApi articlesApi = new ArticlesApi();         apiClient.setApiKey("Bearer " + secToken);         ListResultWrapperArticleOverview listResultWrapperArticleOverview = articlesApi. searchArticlesUsingPOST("pa-a-ffh6ioqxzje-ceabuy_dtzdvp_h0hwjitjvyls=", articleSearchQuery);         List&lt;ArticleOverview&gt; list = listResultWrapperArticleOverview.getResult();         for (ArticleOverview articleOverview : list) {             System.out.println(articleOverview);         }     } }</pre></div>	