DTI Guide: C3 RESTful APIs

"The C3 AI Suite provides RESTful APIs to provide programmatic access to all Types and all methods in a C3 application. By default, all Types have automatically-generated REST APIs–there is no need to define or construct API endpoints manually." (From official C3 documentation on RESTful APIs)

API URL Structure

URLs for C3 REST API requests have the following format:

`https://<vanity_url>/api/<api_version>/<type>?action=<method>`

- Here, `<vanity_url>` is the base url for your C3 tag
- `<api_version>` is the current version of the REST API which is 1.
- `<type>` is the C3 Type name. Type names are case sensitive.
- `<method>` is the C3 Type method to call

HTTP Body

Required arguments to methods must be passed via the HTTP request body in json format. For example when calling the `fetch()` method, we must pass a spec parameter. This can be passed with a json formatted payload like this:

```
{
  "spec": {
    "limit": 10,
    "include": "id, name, bulbType"
  }
}
```

Necessary HTTP Headers

Header	Description	Possible Values
Accept	Indicates the media types which are acceptable for the response	application/json application/xml (default)
Content-Type	Indicates the media type of the entity-body sent to the recipient	application/json
Request-Method	Indicates the desired action to be performed for the resource	POST
Authorization	Username and Password	

Official Documentation (Please note this page currently closely mirrors that available at the official documentation):

- https://developer.c3.ai/docs/7.15.0/topic/advanced-topics-rest-api