

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>