# Interacting With The API

## GET:

Request Head: "Accept: application/json" or request url: ”\*\*\*?format=json”

|  |  |  |
| --- | --- | --- |
| URL | RESPONSE |  |
| <http://127.0.0.1:8000/api/v1/> | {  "entMaterial": {  "list\_endpoint": "/api/v1/entMaterial/",  "schema": "/api/v1/entMaterial/schema/"  }  } | Fetching Data, the highest level |
| <http://127.0.0.1:8000/api/v1/entMaterial/schema/> |  | Resource’s Schema，说明当前api的字段、过滤器等 |
| [{domain}/entMaterial/](http://127.0.0.1:8000/api/v1/entMaterial/)  可选参数：  limit=10(0表示1000)  offset=20 |  | A Collection Of Resources   * 20 per page is the default * In the meta, you get a previous & next. * get a list of resources/objects under the objects key. * Each resources/object has a resource\_uri field that points to the detail view for that object. |
| [{domain}/entMaterial/](http://127.0.0.1:8000/api/v1/entMaterial/)?name\_\_contains=0.6 |  | 过滤器，用法同model |
| [{domain}/entMaterial/140/](http://127.0.0.1:8000/api/v1/entMaterial/140/) |  | A Detail Resource |
| [{domain}/entMaterial/set/140;141/](http://127.0.0.1:8000/api/v1/entMaterial/set/140;141/) |  | A Subset Of Resources |
|  |  |  |

## POST:

Request Head: "Content-Type: application/json"

Request Head: "Accept: application/xml"

[{domain}/entMaterial/](http://127.0.0.1:8000/api/v1/entMaterial/)

Request Body: {"d\_time": null,"height": null,"i\_time": null,"id":null,"length": 2500,"material\_type": "板","name": "testpost","radius": null,"remark": "","u\_time": null,"unit": "","width": 1250}

Responses:

201 CREATED

400 BAD REQUEST (include message)

401 unauthorized (include message)

500 INTERNAL SERVER ERROR (include message)

## UPDATE:

Request Head: "Content-Type: application/json"

Request Head: "Accept: application/xml"

[{domain}/entMaterial/](http://127.0.0.1:8000/api/v1/entMaterial/)172/

Request Body: {"d\_time": null,"height": null,"i\_time": null,"id":null,"length": 2500,"material\_type": "板","name": "testpost2","radius": null,"remark": "","u\_time": null,"unit": "","width": 1250}

Responses:

204 NO CONTENT

## PATCH:

Partially Updating An Existing Resource (PATCH)

Request Head: "Content-Type: application/json"

Request Head: "Accept: application/xml"

[{domain}/entMaterial/](http://127.0.0.1:8000/api/v1/entMaterial/)172/

Request Body: {"material\_type": "板","name": "testpost2" }

Responses:

202 ACCEPTED

## PUT

Updating A Whole Collection Of Resources

Request Head: "Content-Type: application/json"

Request Head: "Accept: application/xml"

[{domain}/entMaterial/](http://127.0.0.1:8000/api/v1/entMaterial/)172/

Request Body: {"objects":[{"d\_time": null,"height": null,"i\_time": null,"id":null,"length": 2500,"material\_type": "板","name": "testpost2","radius": null,"remark": "","u\_time": null,"unit": "","width": 1250},{},{}]}

Responses:

204 NO CONTENT

## DELETE:

### Object

Request Head: "Content-Type: application/json"

Request Head: "Accept: application/xml"

[{domain}/entMaterial/](http://127.0.0.1:8000/api/v1/entMaterial/)172/

Responses:

204 NO CONTENT

410 GONE（验证后发现实际返回是404 NOT FOUND）

### List

Request Head: "Content-Type: application/json"

Request Head: "Accept: application/xml"

[{domain}/entMaterial/](http://127.0.0.1:8000/api/v1/entMaterial/)

Responses:

204 NO CONTENT

## PATCH混合操作:

Request Head: "Content-Type: application/json"

Request Head: "Accept: application/xml"

[{domain}/entMaterial/](http://127.0.0.1:8000/api/v1/entMaterial/)

Request Body: {"objects":[{"objects":[{"d\_time": null,"height": null,"i\_time": null,"id":null,"length": 2500,"material\_type": "板","name": "testpost2","radius": null,"remark": "","u\_time": null,"unit": "","width": 1250}], "deleted\_objects": ["{domain}/entMaterial/4/"]}

Responses:

202 ACCEPTED