# Interacting With The API

## Global

### 1 /api/v1/……

显示未删除的对象（列表详情，支持过滤器）。此时可通过delete或patch方法删除一个或一组对象，删除只是更改对象的d\_time字段为有效时间

### 2 /api/trash/v1/……

显示已删除的对象，当前所有过滤器、排序、get、post、delete、patch、update都可使用。delete或patch方法会彻底删除对象在数据库中的记录。

以下以/api/v1/为例，/api\_trash/v1/用法相同。

## 1 GET

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

### /api/v1/

Fetching Data, the highest level.

url:

<http://127.0.0.1:8000/api/v1/>

Response:

{

"entMaterial": {

"list\_endpoint": "/api/v1/entMaterial/",

"schema": "/api/v1/entMaterial/schema/"

}

}

### 1.2 /api/v1/obj/schema/

Resource’s Schema，说明当前api的字段、过滤器等

### 1.3 /api/v1/obj/

返回结果的列表  
url:

http://127.0.0.1:8000/api/v1/obj/?filter

filter参考<http://djangobook.py3k.cn/appendixC/>

### 1.4 /api/v1/obj/id/

获取单独对象的详细信息

### 1.5 [/api/v1/obj/set/140;141/](http://127.0.0.1:8000/api/v1/obj/set/140;141/)

获取一个对象列表的子集

## 2 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)

## 3 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

## 4 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

## 5 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

## 6 PATCH

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

Request Head: "Accept: application/json"

### 6.1 /api/v1/obj/uri/

Partially Updating An Existing Resource (PATCH)

url:

<http://127.0.0.1:8000/api/v1/entMaterial/>172/

Request Body:

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

Response:

202 ACCEPTED

### 6.2 /api/v1/obj/

创建一组对象同时删除一组对象。

url:

<http://127.0.0.1:8000/api/v1/entMaterial/>

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}], "deleted\_objects": ["/api/v1/EntMaterial/4/",”/api/v1/EntMaterial/5/”]}

Response:

202 ACCEPTED