

Public API

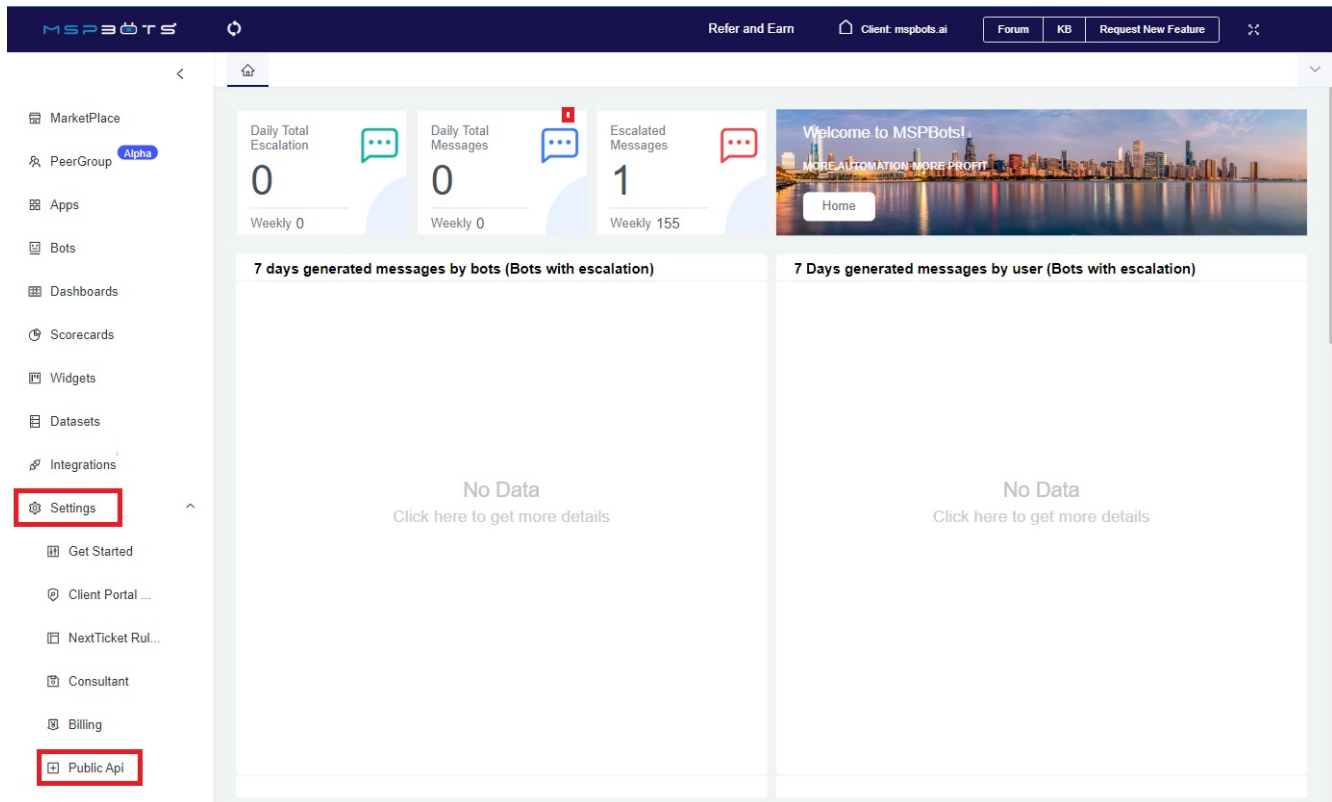
The Public Application Programming Interface (API) function is an interface that allows sharing your datasets and widgets with your clients. In the Public API section of the MSPbots app, you can create, share, and delete your own API key. Once you have made and shared your public API, your clients can access the datasets and widgets assigned to that key.

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1. How to access the Public API section

To access the Public API section, log in to MSPbots and navigate to **Settings > Public API**.



2. How to add, copy, and remove an API key

1. Create an API key:
 - a. Go to the Public API tab and click the **Add New Key** button.

- b. Input a **Name**, select **Custom** for **Type**, and provide a short **Description** for your API.

Add New Key

×

Name

test1

Type

Custom

Description

Cancel

Save

- c. Click **Save**.

2. Copy the API Key

- a. Select the API you created in Step 1 from the APIKey dropdown.

Public API

×

Public API

Enable Public API

Enable Public API

API Key

test_spl

Add New Key

Remove This Key

test01

test_spl

Add

- b. Click the copy icon to copy the API. Send this to your clients for access to your datasets and widgets.

Public API

×

Public API

Enable Public API



Enable Public API

API Key

test_spl

Add New Key

Remove This Key

API KEY:  

Rate Limit : 60/min

Dataset

Widget

Add

To remove an API Key, click the **Remove This Key** button. Removing an API key will draw your client's access to the datasets and widgets you assigned to the key.

Enable Public API



Enable Public API

API Key

test_spl

Add New Key

Remove This Key

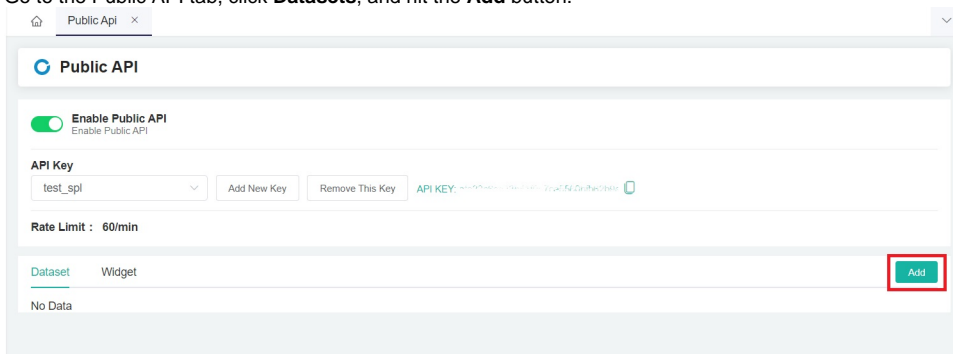
API KEY:  

Rate Limit : 60/min

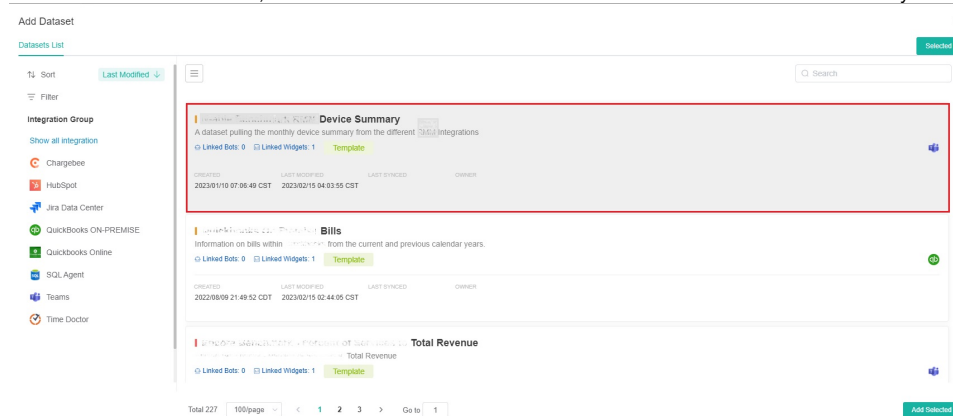
3. Connecting your data to an API

3.1. Binding a dataset to the API key

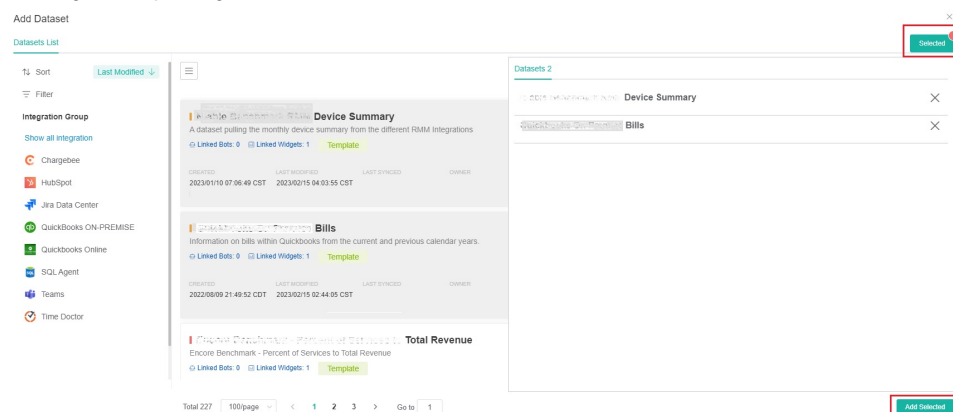
1. Go to the Public API tab, click **Datasets**, and hit the **Add** button.



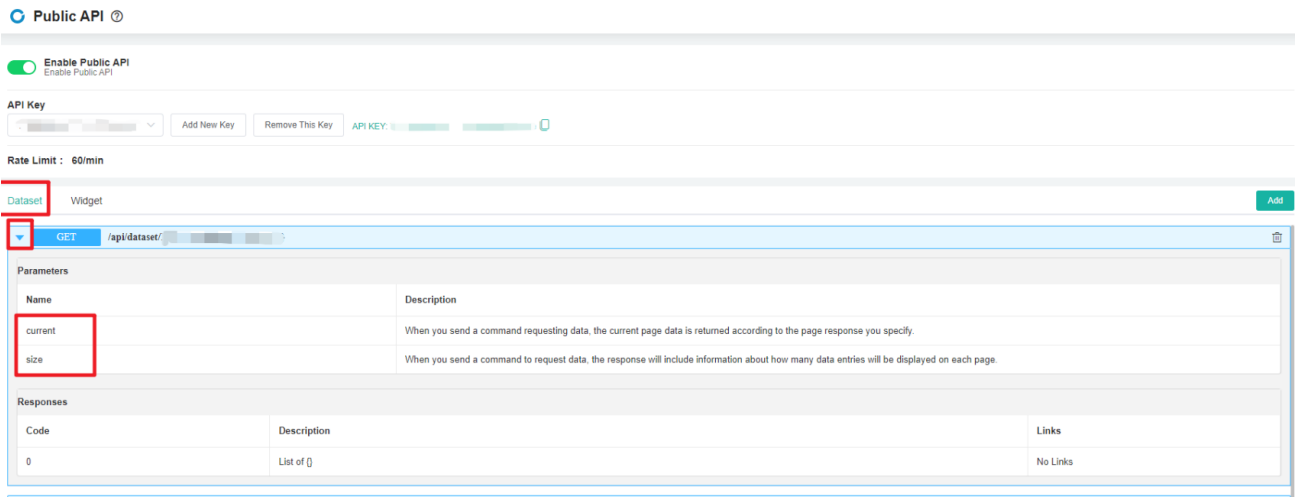
2. On the **Add Dataset** window, select the dataset or datasets that should be accessible with the API key.



3. When done selecting the datasets for binding, click the **Selected** button to view your selection. You may remove datasets from the list by clicking the **X** sign corresponding to the dataset for removal.

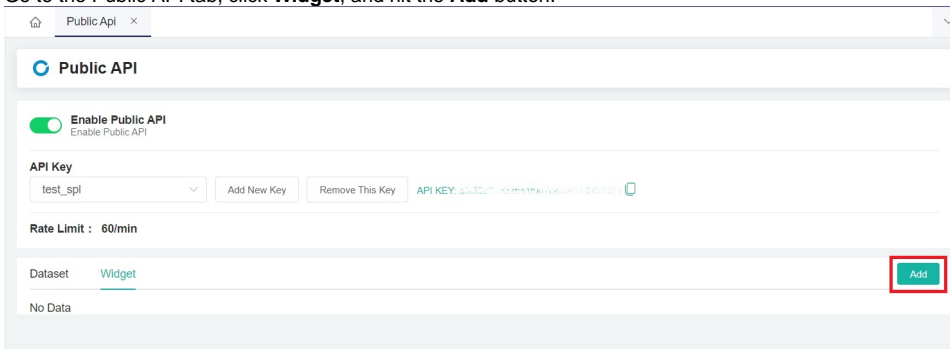


4. Click **Add Selected** once you confirm the list is correct.
5. Then you can see the selected dataset in the dataset list.

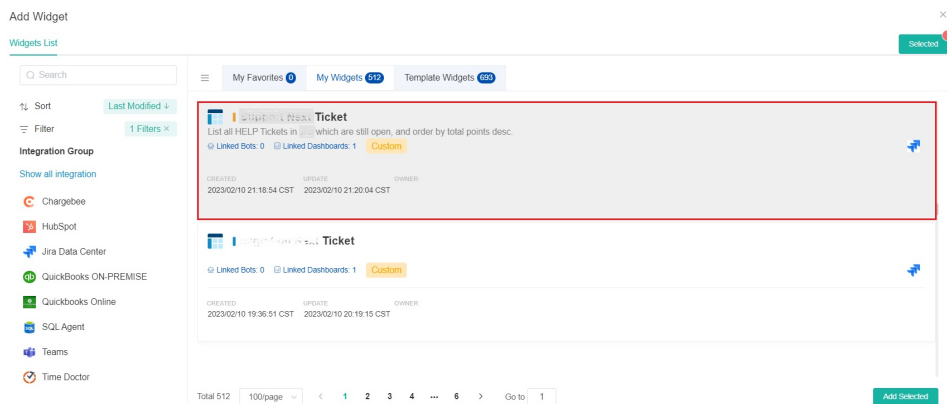


3.2. Binding a widget to the API key

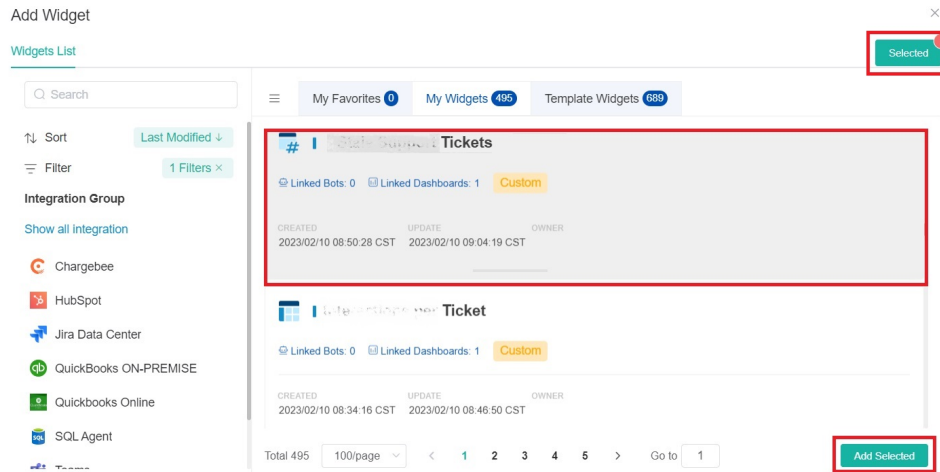
1. Go to the Public API tab, click **Widget**, and hit the **Add** button.



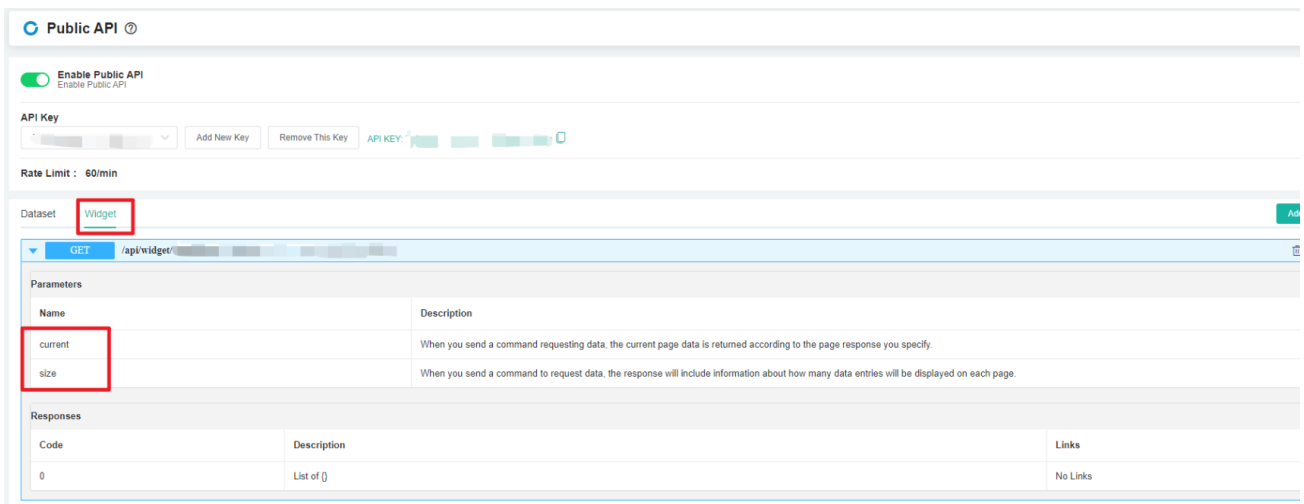
2. On the **Add Widget** window, select the widget or widgets that should be accessible with the API key.



- When done selecting the widgets for binding, click the **Selected** button to view your selection. You may remove widgets from the list by clicking the **X** sign corresponding to the widget for removal.



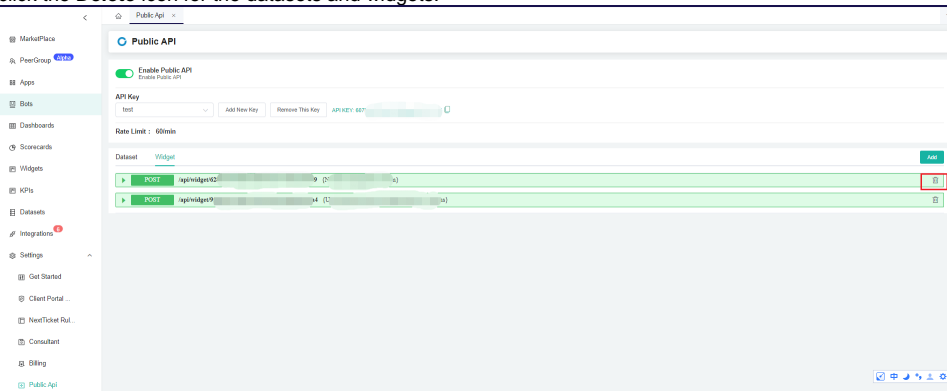
- Click **Add Selected** once you confirm the list is correct.
- Then you will see the selected widget in the widget list.



4. Stop connecting your data to the API


To disconnect and unbind data to the API


- click the **Delete** icon for the datasets and widgets.



2. Click **Confirm** to finish the deletion.

Prompt




 Please double confirm if you want to delete?


Cancel

Confirm

5. Enable Public API Switch

The Enable Public API feature is the global switch that controls the availability of the Public API feature. To activate, switch the **Enable Public API** toggle ON. If disabled, the API Keys and all connected data will be inaccessible.

 **Public API**

 **Enable Public API**
Enable Public API

API Key

▼

Add New Key

Remove This Key

6. Summary

- Public API provides an HTTP-based API that follows the principles of [REST](#).
- The HTTP rules allow the use of simple HTTP clients like cURL.
- The URLs are resource-oriented, the request format is form-encoded, and the responses are [JSON](#).
- All operations are read-only.

7. Resources

Public API follows the REST model of exposing resources as URLs. The unified domain name of all interfaces is:

`https://api.mspsbots.ai/`

8. Request, Response, Sample Request

REQUEST

Depending on the type of operation, the endpoints use one of two HTTP methods: POST, GET

RESPONSE

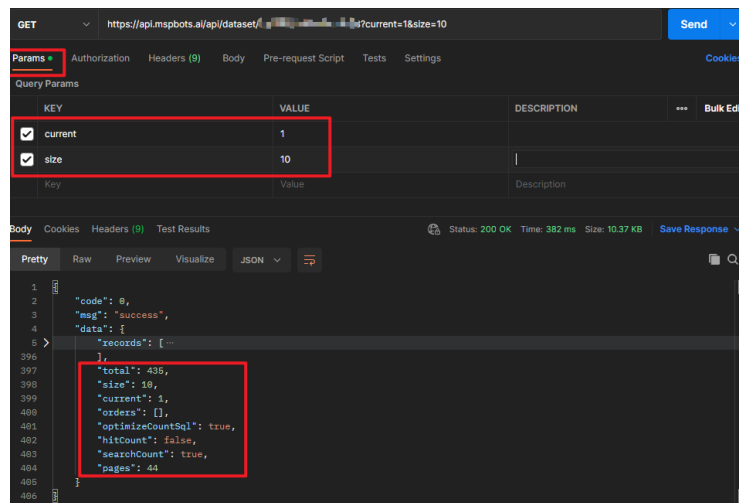
The response is in JSON format.

SAMPLE REQUEST

GET REQUEST (Dataset)

```
curl https://api.mspbots.ai/api/dataset/{resourceId} -H 'apikey: {apiKey}' -X GET
```

REQUEST



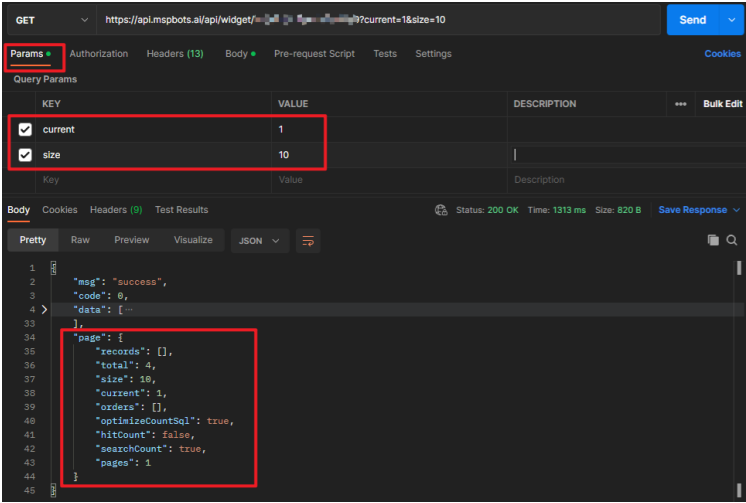
RESPONSE



GET REQUEST (Widget)

```
curl https://api.mspbots.ai/api/widget/{resourceId} -H 'apikey: {apiKey}' -X GET
```

REQUEST



RESPONSE

```
{
  "code": 0,
  "msg": "success",
  "data": [
    {
      "Sum": "3",
      "Count": "10"
    },
    {
      "Sum": "3",
      "Count": "9"
    }
  ]
}
```

Supported query criteria

(Please Note: Currently, widgets that include measure or calculate layers are not supported.)

sample URL with conditions:

dataset: https://api.mspbots.ai/api/dataset/{resourceId}1?current=1&size=2&project_name=back

widget: https://api.mspbots.ai/api/widget/{resourceId}?current=1&size=10&Real Name=n&Update Date=2021-10-10,2023-03-30,2023-04-05&Id=,1534956341424005122

Logical Operators	Field Type					example
	TEXT	NUMBER	BOOLEAN	DATE	DATETIME	
Is Empty						status=
Contains						name=Tod
Equals						is_default=true id=654321324612312

Later Than (\geq)						price=12.6, date=2022-07-01
Earlier Than (\leq)						price=,56.3
between (\geq and \leq)						price=12.6,56.3 date=2022-07-01,2023-02-01
Multiple intervals (\geq and \leq) or (\geq and \leq)						price=12.6,56.3,103.210 date=2022-07-01,2023-02-01,2023-04-01,2023-05-01
(\geq and \leq) or ($=$)						price=12.6,56.3,105.1
(\geq and \leq) or (\geq)						date=2022-07-01,2023-02-01,2023-04-01

9. Sample Error Responses

1. Rate limits

```
{"error_msg": "404 Route Not Found"}
```

2. Invalid apiKey: Error or deleted

```
{"message": "Invalid API key in request"}
```

3. Resource unbound

```
{
  "code": 500,
  "msg": "The resourceId is invalid.",
  "data": []
}
```

4. The resource does not exist

```
{
  "code": -1,
  "msg": "Can't find dataset",
  "data": []
}
```

5. HTTP 502 error status code, please refer to [Receiving HTTP 502 Error Status Code When Fetching Data Requests from Widget Using Public API](#) for resolution.

502 Bad Gateway

nginx/1.23.4

10. Related Topics

- [Receiving HTTP 502 Error Code When Fetching Data Requests from Widget Using Public API](#)