

ENDPOINT PAGINATION

The following endpoints in the Mandiant Advantage Threat Intelligence (MATI) API v4 support pagination for responses that contain a large amount of data.

- **Get Indicators** (`GET /v4/indicator`): Returns a list of indicators based on parameters defined in the request.
- **List Reports** (`GET /v4/reports`): Returns a list of finished intelligence reports created by Mandiant.
- **Search** (`POST /v4/search`): Returns intelligence matching a defined query, including Threat Actors, Malware Families, Indicators, Vulnerabilities, and finished intelligence reports.
- **List Vulnerabilities** (`GET /v4/vulnerability`): Returns a list of Vulnerabilities tracked by Mandiant.

By default, responses for these endpoints are paginated to include only 25 matching results at a time. The `limit` parameter lets you define the maximum number of results per page, with a limit of 1000 results per request. If the query matches more entities than what's displayed on the first response page, the response automatically includes a `next` token.

For example, the following **Get Indicators** query returns 25 indicators based on the epoch timestamp, along with a `next` token:

```
curl -X GET "https://api.intelligence.mandiant.com/v4/indicator?start_epoch=1693671421" -u YOUR_API_KEY_ID:YOUR_API_SECRET -H "Accept: application/json"
```

To get the next page of query results, the value of the `next` token should be used as the **only** parameter in the subsequent request. For example:

```
curl -X GET "https://api.intelligence.mandiant.com/v4/indicator?next=YOUR_NEXT_TOKEN" -u YOUR_API_KEY_ID:YOUR_API_SECRET -H "Accept: application/json"
```



The `next` token to be included in each subsequent query (to replace `YOUR_PAGE_TOKEN` in the previous `curl` command) is an encoded string of over 3000 characters.



A new `next` token is included in each paginated response. In order to obtain all matching results in the query response, you'll need to continue this process of updating the `next` token for each subsequent query. When the `next` token is not included in the response, or the server returns a `204` response code, there are no more results to return from the endpoint.


Pagination in web-based API clients

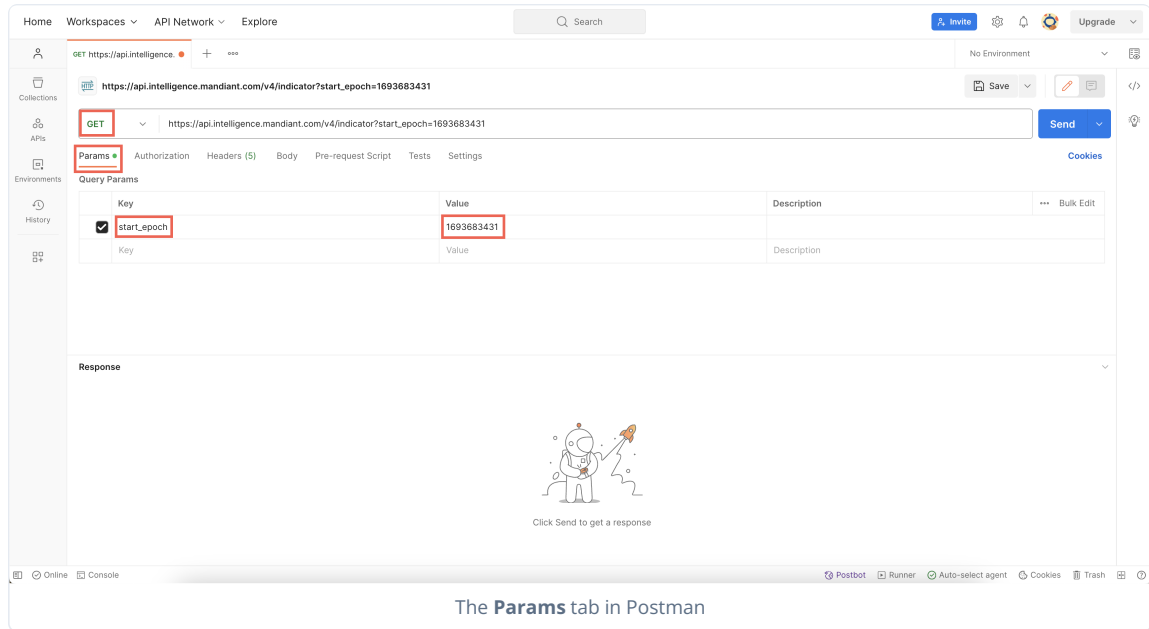
The following is an example workflow for executing this paginated query using the Postman API client web application.

1. Create a new workspace in Postman to configure the previous **Get Indicators** example query.
 - a. Navigate to <https://web.postman.co/workspaces>.
 - b. If you don't have an existing workspace, click **Create Workspace**.
 - c. Select **Blank workspace** and click **Next**.
 - d. At a minimum, enter a **Name** for the workspace and click **Create**.
 - e. Click **+ Add** to open a new workspace tab.
2. Create the initial query to retrieve the first 25 indicators based on the epoch timestamp.
 - a. Select **GET** from the method drop-down and enter the base

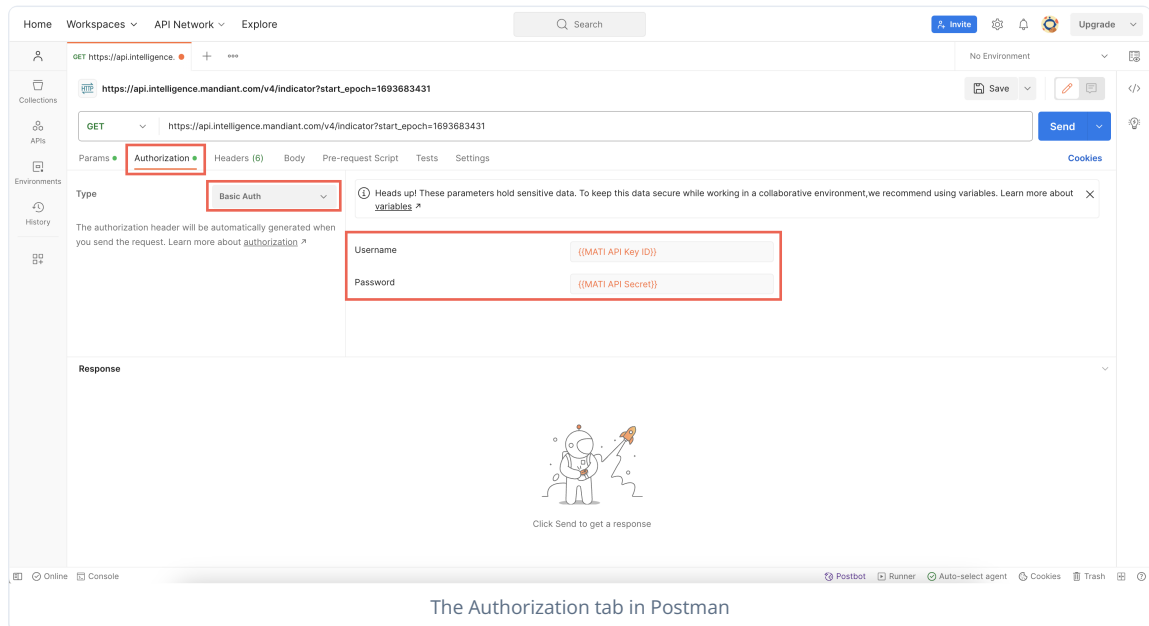
URL `https://api.intelligence.mandiant.com/v4/indicator` .

- b. Navigate to the **Params** tab.
- c. Enter `start_epoch` in the **Key** field and an epoch timestamp in the **Value** field.

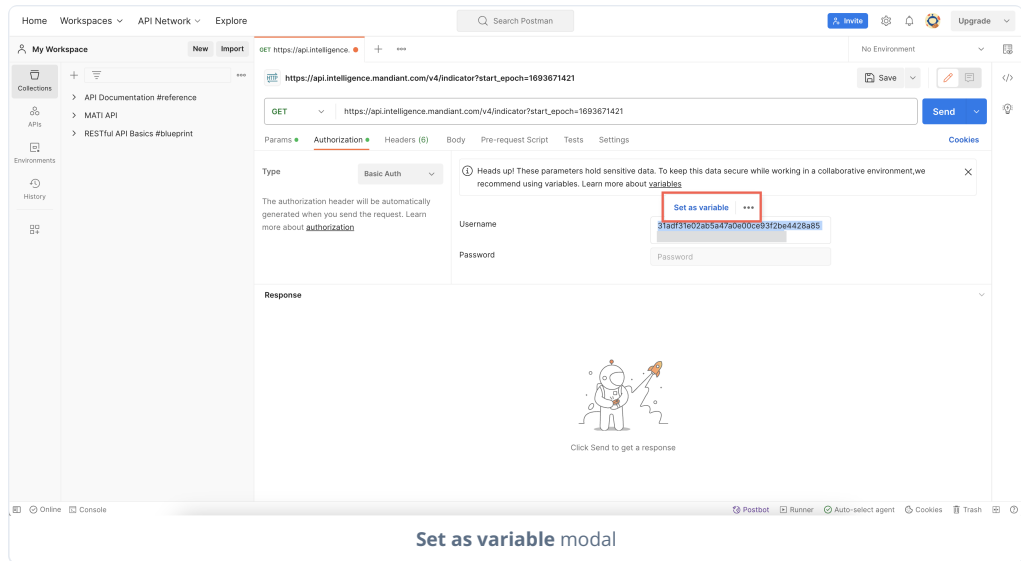
 If you want to increase the number of results per page, enter `limit` in the **Key** field and the maximum number of results per page (up to 1000) in the **Value** field.



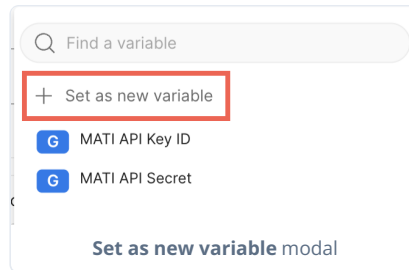
- d. Navigate to the **Authorization** tab and select **Basic Auth** from the **Type** drop-down.
- e. Enter your `YOUR_API_KEY_ID` in the **Username** field and your `YOUR_API_SECRET` in the **Password** field.



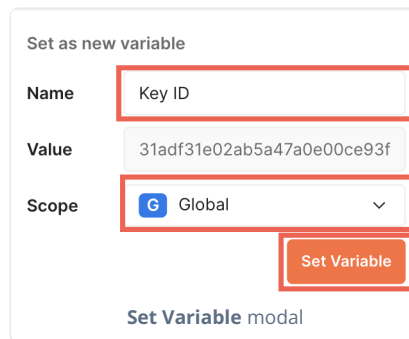
- i. For security reasons, save the values for your `YOUR_API_KEY_ID` and your `YOUR_API_SECRET` as variables in the Postman web console:
 - i. Right-click the pasted value of your `YOUR_API_KEY_ID` or your `YOUR_API_SECRET` and click **Set as variable**.



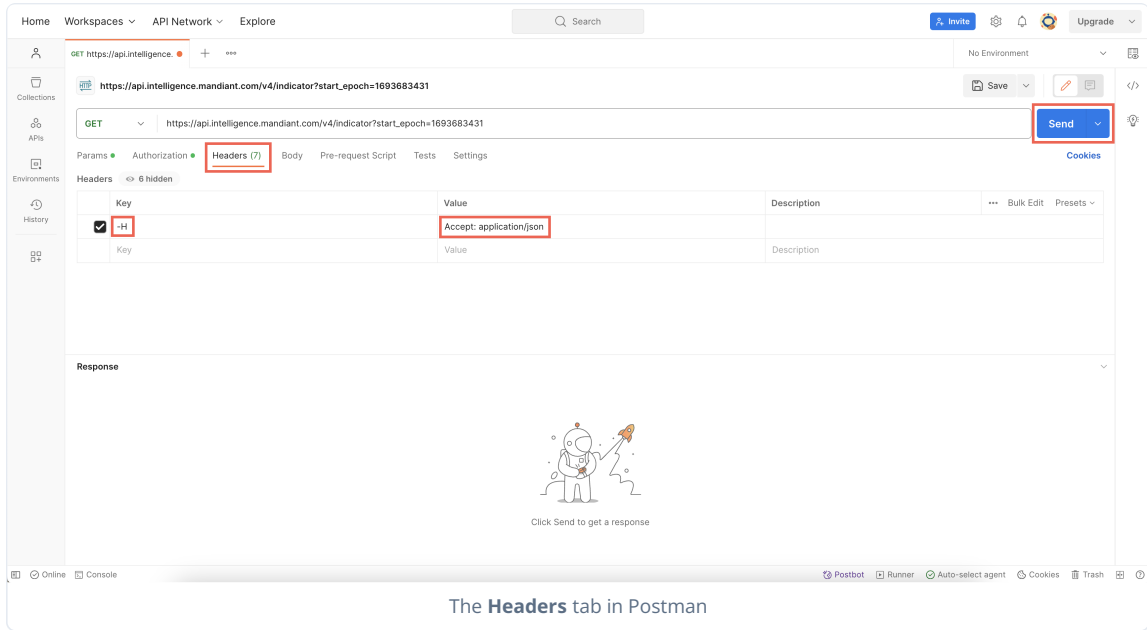
ii. If you haven't already set the value as a variable, click **Set as new variable**.



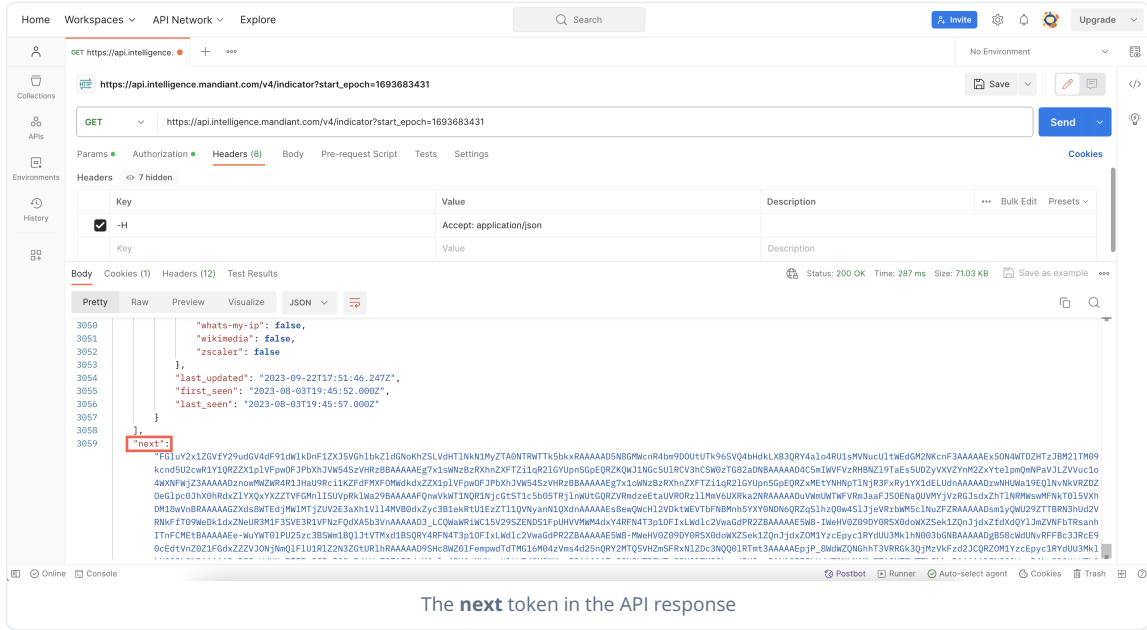
- iii. Enter a **Name** for the variable.
- iv. Select **Global** from the **Scope** drop-down.
- v. Click **Set Variable**.



- f. Navigate to the **Headers** tab.
- g. Enter `-H` in the **Key** field and `Accept: application/json` in the **Value** field.
- h. Click **Send**.

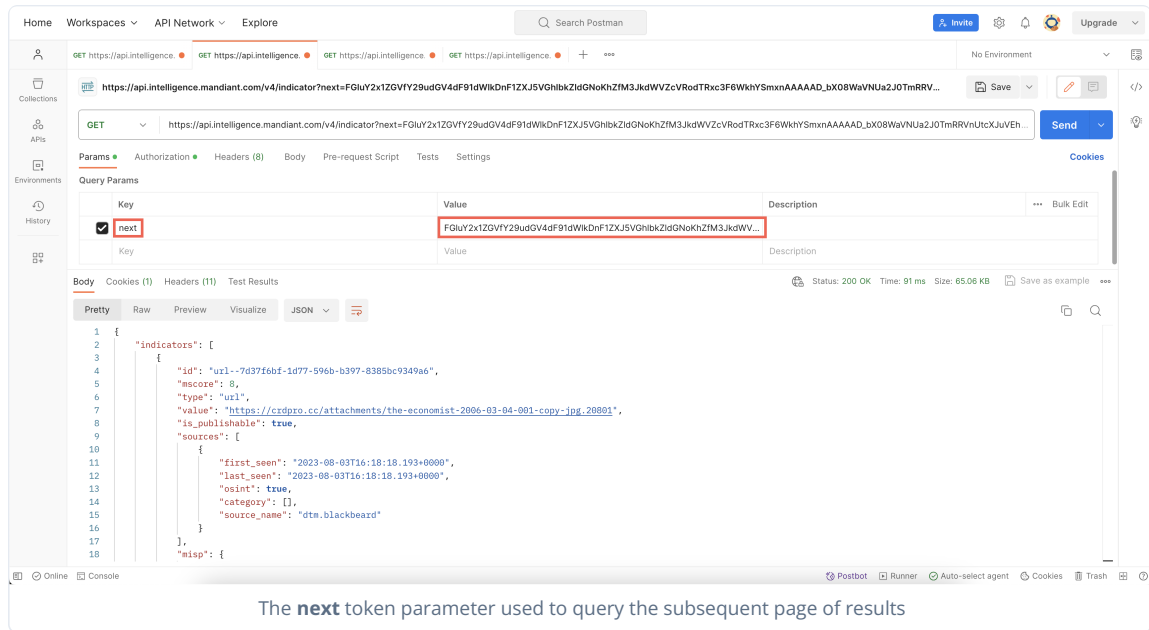


- i. The last line of the response body includes the `next` token inside double quotes. Copy that token (without the quotes) for use in the subsequent query.



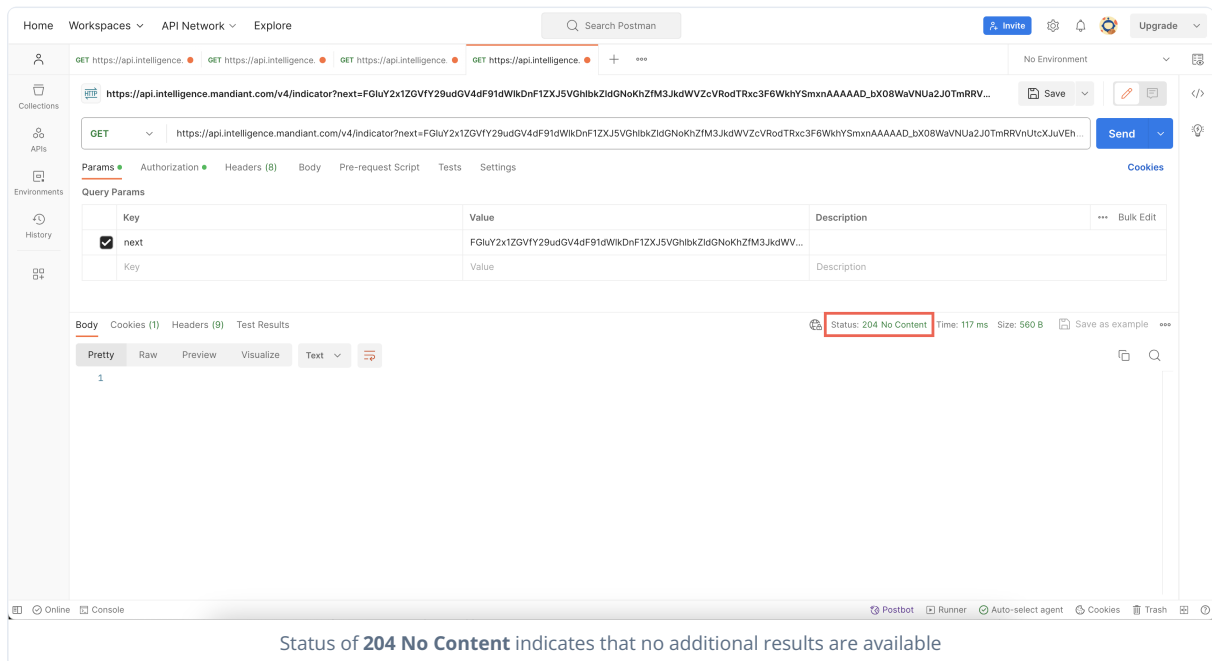
3. Create the subsequent query to retrieve the next set of indicators.
 - a. Click **+ Add** to open a new workspace tab for the next paginated query.
 - b. Select **GET** from the method drop-down and enter the base URL `https://api.intelligence.mandiant.com/v4/indicator`.
 - c. Select the **Params** tab.
 - d. Enter `next` in the **Key** field and the `next` token from the previous query in the **Value** field.

For this and all other subsequent queries, no other parameters should be included besides the `next` parameter.



The **next** token parameter used to query the subsequent page of results

- e. Navigate to the **Authorization** tab and select **Basic Auth** from the **Type** drop-down.
 - f. Enter the variables for your **YOUR_API_KEY_ID** in the **Username** field and your **YOUR_API_SECRET** in the **Password** field.
 - g. Navigate to the **Headers** tab.
 - h. Enter **-H** in the **Key** field and **Accept: application/json** in the **Value** field.
 - i. Click **Send**.
4. Repeat this process until you no longer receive the **next** token in your response, or you receive a Status of **204 No Content**, indicating that no more results are available.



Status of **204 No Content** indicates that no additional results are available