

Insight API Developer Documentation

This document provides a guide for developers on how to interact with the Insight Query API. The API can be used to answer user questions or queries against a specific knowledge bank.

Authentication

All endpoints on this API are protected and require a valid API key. You must include an Authorization header with every request.

- **Header Name:** Authorization
- **Value:** Bearer [UNCAPT_API_KEY]

Note: In a production environment, this key should be stored securely and managed with an appropriate secrets management solution.

Error Handling

The API uses standard HTTP status codes to indicate the success or failure of a request. You should implement logic to handle these responses.

- 200 OK: The request was successful.
- 400 Bad Request: The request was malformed or missing required parameters. The response body may contain a message with more details.
- 401 Unauthorized: The Authorization header is missing or invalid.
- 404 Not Found: The requested resource could not be found. This typically occurs for an invalid queryId or knowledgeBankId.
- 429 Too Many Requests: You have exceeded the API's rate limit.
- 500 Internal Server Error: An unexpected error occurred on the server.

Rate Limiting

To ensure fair usage and service stability, the UNCAPT Insight API is rate-limited.

- **Limit:** There is a limit on the number requests per minute per API key.
- **Behavior:** If you exceed this limit, subsequent requests will receive a 429 Too Many Requests status code until the rate limit resets. It is recommended to implement an exponential backoff strategy in your application to handle these responses gracefully.

Response Headers

Every successful API response will include the following headers to inform the caller of their current rate limit status:

- X-RateLimit-Limit: The number of requests allowed in the current minute (e.g., 100).
- X-RateLimit-Remaining: The number of requests remaining in the current minute.
- X-RateLimit-Reset: The timestamp (in UTC epoch seconds) when the rate limit window

resets.

Endpoints

1. Get Knowledge Banks

Use this endpoint to retrieve a list of available knowledge banks. You'll need the id from the response to submit a new question.

- **Base URL:** api.uncapt.com/insight/v1
- **Path:** /knowledge-banks
- **Method:** GET
- **Response:**
 - **Status Code:** 200 OK
 - **Body:** A JSON object containing an array of knowledge bank objects.

```
{
  "knowledgeBanks": [
    {
      "id": "e9639535-649a-4c91-b3b3-855523a54b32",
      "name": "General Knowledge"
    },
    {
      "id": "a5c7c2b1-6a4d-4e9b-b8f4-7f1234567890",
      "name": "Company Policies"
    }
  ]
}
```

2. Submit a New Question or Query

This is the starting point for any new query. It takes a question and the knowledgeBankId and initiates the background process.

- **Base URL:** api.uncapt.com/insight/v1
- **Path:** /query/{knowledgeBankId}
- **Method:** POST
- **URL Parameter:**
 - knowledgeBankId (string): The unique ID of the knowledge bank to query against.
- **Request Body:**
 - question (string): The question or task to be processed. **Must not exceed 1000 characters.**
- **Response:**
 - **Status Code:** 200 OK
 - **Body:** A JSON object containing the queryId and the initial status.

```
{
  "queryId": "e9639535-649a-4c91-b3b3-855523a54b32",
  "status": "THINKING"
}
```

3. Check Query Status

Use this endpoint to poll for the status of a specific query.

- **Base URL:** api.uncapt.com/insight/v1
- **Path:** /status/{queryId}
- **Method:** GET
- **URL Parameter:**
 - queryId (string): The unique ID returned from the /query endpoint.
- **Response:**
 - **Status Code:** 200 OK
 - **Body:** A JSON object with the query's current status and results.

```
{
  "status": "THINKING",
  "statusMessage": "[Progress message that can be shown to the user]",
  "results": null
}
```

Or

```
{
  "status": "COMPLETED",
  "statusMessage": null,
  "results": "[markdown text]."
}
```

Or

```
{
  "status": "ERROR",
  "statusMessage": null,
  "results": "[ERROR MESSAGE]"
}
```

- **Status Code:** 404 Not Found if the queryId does not exist.