NOSIBLE AI Search - Data Dictionary V2.1.0

As of: 2026-07-20

This document describes every input and output field of the NOSIBLE AI Search endpoint so that a technical reader can understand the API at a glance. AI Search (`POST https://www.nosible.ai/search/v2/search`) is an LLM-guided search agent: instead of constructing your own queries, expansions, and SQL filters, you describe what you are looking for and the agent takes the wheel. It generates a 10-question multi-angle strategy, launches parallel fan-out probes, selects the best chain, generates high-context long-tail expansions, and performs a deep 100-result search. Results come back as a JSON object of the shape `{"response": [...]}` in the same flat format as Fast Search.

Interactive API documentation: this endpoint is documented live in the NOSIBLE Swagger UI at `https://www.nosible.ai/search/v2/docs/` (OpenAPI spec: `https://www.nosible.ai/search/v2/openapi.json`). The version of this data dictionary tracks the API version published there: this document describes NOSIBLE V2.1.0.

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Request Headers

Every request to this endpoint is an HTTP POST with a JSON body. Authentication is handled by a single header, documented below. You should also send `Content-Type: application/json`, and `Accept-Encoding: gzip` is recommended to cut transfer sizes.

Header	Details
`api-key`	**Definition:** Your NOSIBLE Search API key. To get an API key please visit app.nosible.com, where you can manage organizations, users, subscriptions, and API keys. **Type:** string **Length:** 42–50 characters **Required:** Yes - requests without a valid key fail with HTTP 422. **Example:** `"nos_sk_XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX"`

Input Fields

AI Search takes just two fields in the JSON body of the POST request: your prompt and the agent to use. Everything else - questions, expansions, filters, hyperparameters - is decided by the agent.

Input Field	Details
`prompt`	**Definition:** The information you are looking for, in plain language. The agent reads your prompt, generates a multi-angle search strategy, launches parallel fan-out probes, analyzes the initial text, generates high-context expansions, and performs a deep dive to return the best results. **Type:** string **Length:** 25–2,500 characters **Default:** `"Interesting news from AI startups last week."` **Example:** `"I need to know everything about conservation of the Queen Alexandra's Birdwing butterfly. Who is protecting it, and what threats does it face in Papua New Guinea?"`
`agent`	**Definition:** The search agent you want to use. **Type:** string **Options:** `cybernaut-1` **Default:** `"cybernaut-1"`

Input Field	Details
	Example: `"cybernaut-1"`

Output Fields

A successful search returns HTTP 200 with a JSON body of the shape `{"response": [...]}`. Each entry in the `response` array is one flat search result object - the same format as Fast Search - produced by the agent's final deep search of up to 100 results.

Output Field	Details

`response`	**Definition:** The top-level wrapper of the response body. An array of search result objects, with up to 100 entries, sorted by descending similarity. All fields below describe one search result.
	Type: array of objects
	Example:
	`{`
	`  "response": [`
	`  {...},`
	`  {...},`
	`  ...`
	`  ]`
	`}`

`url_hash`	**Definition:** A hash that uniquely identifies the page: an 18-byte SHAKE-128 digest of the normalised URL, URL-safe base64 encoded (24 characters). Used as the document key across NOSIBLE systems. **Type:** string **Example:** `"aB3dE_fG7hIj-KlMnOpQrStU"`
`url`	**Definition:** The full URL of the source page. **Type:** string **Example:** `"https://www.rainforest-times.com/2025/08/12/birdwing-sanctuary"`
`netloc`	**Definition:** The network location (domain) of the source. **Type:** string **Example:** `"www.rainforest-times.com"`
`published`	**Definition:** The date the page was published, as a YYYY-MM-DD

Output Field	Details
	string. **Type:** string **Example:** `"2025-08-12"`
`visited`	**Definition:** The date NOSIBLE visited/crawled the page, as a YYYY-MM-DD string. **Type:** string **Example:** `"2026-06-30"`
`language`	**Definition:** The language of the document as an ISO 639-1 two-letter code. **Type:** string **Example:** `"en"`
`author`	**Definition:** The author of the page, when one could be detected. **Type:** string **Example:** `"Jane Doe"`
`title`	**Definition:** The title/headline of the page. **Type:** string **Example:** `"New sanctuary offers hope for the world's largest butterfly"`
`description`	**Definition:** The description of the page. **Type:** string **Example:** `"Conservationists in Papua New Guinea have secured a 10,000-hectare corridor for the Queen Alexandra's Birdwing."`
`best_chunk`	**Definition:** The single snippet of the page with the highest similarity to your question. **Type:** string **Example:** `"The Queen Alexandra's Birdwing, the world's largest butterfly, now has a dedicated sanctuary in Oro Province."`
`content`	**Definition:** The contextified content: the best snippet expanded with surrounding words from the page, up to `n_contextify` words. **Type:** string **Example:** `"... The Queen Alexandra's Birdwing, the world's largest butterfly, now has a dedicated`

Output Field	Details
	`sanctuary in Oro Province. The corridor links two forest reserves ..."`

`semantics`	**Definition:** Retrieval diagnostics for the result.
	Type: object
	Fields:
	`origin_shard` (int) - the shard the document was retrieved from
	`chunks_total` (int) - total chunks in the document
	`chunks_matched` (int) - chunks that matched the query
	`chunks_kept` (int) - chunks kept after filtering
	`similarity` (float) - the similarity score, between 0 and 1
	Example:
	`{`
	`  "origin_shard": 143,`
	`  "chunks_total": 42,`
	`  "chunks_matched": 18,`
	`  "chunks_kept": 6,`
	`  "similarity": 0.874213`
	`}`

Example Request and Response

The example below runs an AI search end to end. The response format is identical to Fast Search. All field values are illustrative.

Example Request:

```
import requests

response = requests.post(
    url="https://www.nosible.ai/search/v2/search",
    json={
        "prompt": (
            "I need to know everything about conservation of the Queen "
            "Alexandra's Birdwing butterfly. Who is protecting it, and "
            "what threats does it face in Papua New Guinea?"
        ),
        "agent": "cybernaut-1"
    },
    headers={
        "Accept-Encoding": "gzip",
        "Content-Type": "application/json",
        "api-key": "YOUR_NOSIBLE_API_KEY"
    }
```

```
)

print(response.json())
```

Example Response:


```
{
    "response": [
        {
            "url_hash": "aB3dE_fG7hIj-KlMnOpQrStU",
            "url": "https://www.rainforest-times.com/2025/08/12/birdwing-sanctuary",
            "netloc": "www.rainforest-times.com",
            "published": "2025-08-12",
            "visited": "2026-06-30",
            "language": "en",
            "author": "Jane Doe",
            "title": "New sanctuary offers hope for the world's largest butterfly",
            "description": "Conservationists in Papua New Guinea have secured a
                            10,000-hectare corridor for the Queen Alexandra's
Birdwing.",
            "best_chunk": "The Queen Alexandra's Birdwing, the world's largest
                           butterfly, now has a dedicated sanctuary in Oro Province.",
            "content": "... The Queen Alexandra's Birdwing, the world's largest
                        butterfly, now has a dedicated sanctuary in Oro Province.
                        The corridor links two forest reserves ...",
            "semantics": {
                "origin_shard": 143,
                "chunks_total": 42,
                "chunks_matched": 18,
                "chunks_kept": 6,
                "similarity": 0.874213
            }
        },
        ... more results, up to n_results in total ...
    ]
}
```