

# NOSIBLE Time Search - Data Dictionary V2.1.0

As of: 2026-07-20

This document describes every input and output field of the NOSIBLE Time Search endpoint so that a technical reader can understand the API at a glance. Time Search ([POST https://www.nosible.ai/search/v2/time-search](https://www.nosible.ai/search/v2/time-search)) runs the same NOSIBLE relevance search independently for every interval in a requested period, making it ideal for tracking a topic, narrative, company, or event through time. A range from 2026-04-08T00:00:00Z to 2026-04-11T00:00:00Z with "frequency": "1d" runs three independent searches: April 8, April 9, and April 10.

Time Search is asynchronous, like Bulk Search: the initial response contains a download URL and Fernet decryption key, and you poll the URL until the encrypted, Zstandard-compressed result is ready. Limits: at most 500 time buckets per request and at most 50,000 requested results in total (calculated as search\_count × n\_results). Time-range filtering always uses the indexed published\_utc value.

**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 | <b>Definition:</b> Your NOSIBLE Search API key. To get an API key please visit <a href="https://app.nosible.com">app.nosible.com</a> , where you can manage organizations, users, subscriptions, and API keys.<br><b>Type:</b> string<br><b>Length:</b> 42–50 characters<br><b>Required:</b> Yes - requests without a valid key fail with HTTP 422.<br><b>Example:</b> "nos_sk_XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX" |

## Input Fields

All input fields are passed in the JSON body of the POST request. Every field is optional: any field you omit falls back to the default shown in its row. In practice, **question** is the only field you must think about; everything else tunes recall, filtering, and snippet length. The time-range fields (frequency, start, end, sort, require\_timezone) at the end of the table control the interval bucketing; start and end are the only required fields.

| Input Field | Details                                                                                                                                                                                                                                                                                                                                                             |
|-------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| question    | <b>Definition:</b> The question you would like your search results to answer. This is the primary query that drives retrieval.<br><b>Type:</b> string<br><b>Length:</b> 1–500 characters<br><b>Default:</b> "Why did Argus Filch confiscate the Marauder's Map?"<br><b>Example:</b> "What conservation efforts exist for the Queen Alexandra's Birdwing butterfly?" |
| expansions  | <b>Definition:</b> Semantically equivalent but lexically diverse rephrasings of the question. Optional and recommended: including ten expansions materially improves recall.<br><b>Type:</b> array of strings<br><b>Items:</b> 0–10<br><b>Default:</b> [ ]                                                                                                          |

| Input Field    | Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                | <b>Example:</b><br><pre>[   "How is the Queen Alexandra's Birdwing protected in PNG?",   "What threats face the largest butterfly species?" ]</pre>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| instruction    | <b>Definition:</b> The instruction passed along to the embedding model. USE WITH CAUTION.<br><b>Type:</b> string<br><b>Length:</b> 1–500 characters<br><b>Default:</b> "Retrieve semantically similar text."<br><b>Example:</b> "Retrieve semantically similar text."                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| sql_filter     | <b>Definition:</b> A SQL filter to narrow down your search results.<br><b>Type:</b> string<br><b>Default:</b> "SELECT loc FROM engine"<br><b>Columns:</b><br>netloc - include or exclude specific websites from your search results<br>published - a YYYY-MM-DD string for filtering on publish dates<br>modified - a YYYY-MM-DD string for filtering on modified dates<br>visited - a YYYY-MM-DD string for filtering on visited/crawled dates<br>language - e.g. en-en (english document, english snippet)<br>stot - include or exclude documents based on total number of snippets<br>snum - include or exclude snippets based on their index on the page<br>words - include or exclude snippets based on their word count<br>chars - include or exclude snippets based on their character count<br><b>Example:</b> "SELECT loc FROM engine WHERE words>=30" |
| algorithm      | <b>Definition:</b> The algorithm to use when scoring search results.<br><b>Type:</b> string<br><b>Default:</b> "hybrid-3" - the recommended choice<br><b>Options:</b> string, lexical, baseline, hamming, hybrid-1, hybrid-2, hybrid-3, company<br><b>Note:</b> company is remapped to hybrid-3 by the engine.<br><b>Example:</b> "hybrid-3"                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| min_similarity | <b>Definition:</b> The minimum similarity that a result must have to be returned.<br><b>Type:</b> float<br><b>Range:</b> 0.0–1.0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |

| Input Field  | Details                                                                                                                                                                                                                                                                                                  |
|--------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|              | <b>Default:</b> 0.0<br><b>Example:</b> 0.65                                                                                                                                                                                                                                                              |
| must_include | <b>Definition:</b> Any of the following strings must be included in each result. Be careful when using this: aggressive lists can filter out everything.<br><b>Type:</b> array of strings<br><b>Items:</b> 0–100<br><b>Default:</b> [ ]<br><b>Example:</b><br><pre>[   "Ornithoptera alexandrae" ]</pre> |
| must_exclude | <b>Definition:</b> All of the following strings must be excluded from each result. Be careful when using this: aggressive lists can filter out everything.<br><b>Type:</b> array of strings<br><b>Items:</b> 0–100<br><b>Default:</b> [ ]<br><b>Example:</b><br><pre>[   "casino",   "betting" ]</pre>   |
| brand_safety | <b>Definition:</b> The brand safety level to apply to the source websites.<br><b>Type:</b> string or null<br><b>Options:</b> Safe, Sensitive, Unsafe<br><b>Default:</b> null<br><b>Example:</b> "Safe"                                                                                                   |
| language     | <b>Definition:</b> The language you would like your search results to be refined to.<br><b>Type:</b> string or null<br><b>Options:</b> one of 94 ISO 639-1 two-letter codes, e.g. en, fr, de, es, pt, zh, ja, ar<br><b>Default:</b> null<br><b>Example:</b> "en"                                         |
| continent    | <b>Definition:</b> The continent you would like your search results to be refined to.                                                                                                                                                                                                                    |

| Input Field    | Details                                                                                                                                                                                                                                                                                                                                                                           |
|----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                | <b>Type:</b> string or null<br><b>Options:</b> Africa, Asia, Europe, North America, Oceania, South America, Worldwide<br><b>Default:</b> null<br><b>Example:</b> "Oceania"                                                                                                                                                                                                        |
| region         | <b>Definition:</b> The geographic region you would like your search results to be refined to.<br><b>Type:</b> string or null<br><b>Options:</b> one of 31 named world regions, e.g. Western Europe, Middle East, Southeast Asia, Sub-Saharan Africa, The Balkans, The Caucasus<br><b>Default:</b> null<br><b>Example:</b> "Southeast Asia"                                        |
| country        | <b>Definition:</b> The country you would like your search results to be refined to.<br><b>Type:</b> string or null<br><b>Options:</b> one of 203 full English country names (including Worldwide), e.g. United States, Germany, South Africa<br><b>Default:</b> null<br><b>Example:</b> "Papua New Guinea"                                                                        |
| sector         | <b>Definition:</b> The GICS sector you would like your search results to be refined to.<br><b>Type:</b> string or null<br><b>Options:</b> Other, Communication Services, Consumer Discretionary, Consumer Staples, Energy, Financials, Health Care, Industrials, Information Technology, Materials, Real Estate, Utilities<br><b>Default:</b> null<br><b>Example:</b> "Materials" |
| industry_group | <b>Definition:</b> The GICS industry group you would like your search results to be refined to.<br><b>Type:</b> string or null<br><b>Options:</b> one of 26 GICS industry groups, e.g. Banks, Capital Goods, Media & Entertainment, Software & Services<br><b>Default:</b> null                                                                                                   |

| Input Field  | Details                                                                                                                                                                                                                                                                                                                                                                               |
|--------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|              | <b>Example:</b> "Food, Beverage & Tobacco"                                                                                                                                                                                                                                                                                                                                            |
| industry     | <b>Definition:</b> The GICS industry you would like your search results to be refined to.<br><b>Type:</b> string or null<br><b>Options:</b> one of 75 GICS industries, e.g. <a href="#">Biotechnology</a> , <a href="#">Aerospace &amp; Defense</a> , <a href="#">Automobiles</a><br><b>Default:</b> null<br><b>Example:</b> " <a href="#">Biotechnology</a> "                        |
| sub_industry | <b>Definition:</b> The GICS sub-industry you would like your search results to be refined to.<br><b>Type:</b> string or null<br><b>Options:</b> one of 164 GICS sub-industries, e.g. <a href="#">Advertising</a> , <a href="#">Apparel Retail</a> , <a href="#">Aluminum</a><br><b>Default:</b> null<br><b>Example:</b> " <a href="#">Environmental &amp; Facilities Services</a> "   |
| iab_tier_1   | <b>Definition:</b> The tier 1 IAB content category you would like your search results to be refined to.<br><b>Type:</b> string or null<br><b>Options:</b> one of 39 tier 1 IAB categories, e.g. <a href="#">Automotive</a> , <a href="#">Business and Finance</a> , <a href="#">Technology &amp; Computing</a><br><b>Default:</b> null<br><b>Example:</b> " <a href="#">Science</a> " |
| iab_tier_2   | <b>Definition:</b> The tier 2 IAB content category you would like your search results to be refined to.<br><b>Type:</b> string or null<br><b>Options:</b> one of 388 tier 2 IAB categories<br><b>Default:</b> null<br><b>Example:</b> " <a href="#">Environment</a> "                                                                                                                 |
| iab_tier_3   | <b>Definition:</b> The tier 3 IAB content category you would like your search results to be refined to.<br><b>Type:</b> string or null<br><b>Options:</b> one of 644 tier 3 IAB categories<br><b>Default:</b> null<br><b>Example:</b> " <a href="#">Environment</a> "                                                                                                                 |
| iab_tier_4   | <b>Definition:</b> The tier 4 IAB content category you would like your search                                                                                                                                                                                                                                                                                                         |

| Input Field | Details                                                                                                                                                                                                                                                                                                                    |
|-------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|             | <p>results to be refined to.</p> <p><b>Type:</b> string or null</p> <p><b>Options:</b> one of 704 tier 4 IAB categories</p> <p><b>Default:</b> <code>null</code></p> <p><b>Example:</b> <code>"Nature"</code></p>                                                                                                          |
| companies   | <p><b>Definition:</b> A list of company names. This will be used to refine the search results.</p> <p><b>Type:</b> array of strings</p> <p><b>Items:</b> 0–3</p> <p><b>Default:</b> <code>[ ]</code></p> <p><b>Example:</b></p> <pre>[   "Tesla" ]</pre>                                                                   |
| collection  | <p><b>Definition:</b> The collection to search over. Use <code>this-week</code> to search only recently added data.</p> <p><b>Type:</b> string</p> <p><b>Options:</b> <code>everything</code>, <code>this-week</code></p> <p><b>Default:</b> <code>"everything"</code></p> <p><b>Example:</b> <code>"this-week"</code></p> |
| deduplicate | <p><b>Definition:</b> Whether to deduplicate search results based on duplicate headlines.</p> <p><b>Type:</b> Boolean</p> <p><b>Default:</b> <code>false</code></p> <p><b>Example:</b> <code>true</code></p>                                                                                                               |
| n_results   | <p><b>Definition:</b> The maximum number of relevant documents returned per interval search.</p> <p><b>Type:</b> integer</p> <p><b>Range:</b> 1–1,000</p> <p><b>Default:</b> <code>25</code></p> <p><b>Example:</b> <code>10</code></p>                                                                                    |
| n_probes    | <p><b>Definition:</b> The number of shards (collections) your search is evaluated over.</p> <p><b>Type:</b> integer</p> <p><b>Range:</b> 5–300</p> <p><b>Default:</b> <code>10</code></p>                                                                                                                                  |

| Input Field      | Details                                                                                                                                                                                                                                                                                                                                                |
|------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                  | <b>Example:</b> 30                                                                                                                                                                                                                                                                                                                                     |
| n_contextify     | <b>Definition:</b> The number of context words you would like back per search result.<br><b>Type:</b> integer<br><b>Range:</b> 128–1024<br><b>Default:</b> 128<br><b>Example:</b> 128                                                                                                                                                                  |
| frequency        | <b>Definition:</b> The interval between searches in compact form: a positive integer followed by <b>h</b> (hours), <b>d</b> (days), <b>w</b> (weeks), or <b>mo</b> (calendar months). Month frequencies are calendar-aware.<br><b>Type:</b> string<br><b>Length:</b> 2–8 characters<br><b>Default:</b> "1d"<br><b>Example:</b> "3h", "1d", "1w", "1mo" |
| start            | <b>Definition:</b> The inclusive, timezone-aware start of the search range, as an ISO 8601 timestamp with a timezone offset. Interval boundaries are anchored to this value.<br><b>Type:</b> string (date-time)<br><b>Required:</b> Yes<br><b>Example:</b> "2026-04-08T00:00:00Z"                                                                      |
| end              | <b>Definition:</b> The exclusive, timezone-aware end of the search range, as an ISO 8601 timestamp with a timezone offset. The final interval ends exactly here; a partial final interval counts as one bucket.<br><b>Type:</b> string (date-time)<br><b>Required:</b> Yes<br><b>Example:</b> "2026-04-11T00:00:00Z"                                   |
| sort             | <b>Definition:</b> The chronological ordering of the interval searches. Results within each interval remain relevance-ranked.<br><b>Type:</b> string<br><b>Options:</b> ascending, descending<br><b>Default:</b> "ascending"<br><b>Example:</b> "ascending"                                                                                            |
| require_timezone | <b>Definition:</b> Only return documents whose indexed publication timestamp has a source timezone.<br><b>Type:</b> Boolean                                                                                                                                                                                                                            |

| Input Field               | Details                                                                                                                                                                                                                              |
|---------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                           | <b>Default:</b> <code>false</code><br><b>Example:</b> <code>true</code>                                                                                                                                                              |
| <code>internal_use</code> | <b>Definition:</b> Internal-only. Used to enable hidden features and new algorithms from time to time. Hidden from the public API docs.<br><b>Type:</b> object<br><b>Default:</b> <code>{}</code><br><b>Example:</b> <code>{}</code> |

## Immediate Response Fields

Time Search does not return results directly. A successful submission returns HTTP 200 with a small JSON object that tells you where your encrypted results file will appear and how to decrypt it.

| Output Field               | Details                                                                                                                                                                                                                                                                      |
|----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <code>message</code>       | <b>Definition:</b> A human-readable acknowledgement that the time search was accepted.<br><b>Type:</b> string<br><b>Example:</b> <code>"Time search task accepted."</code>                                                                                                   |
| <code>decrypt_using</code> | <b>Definition:</b> The Fernet encryption key that decrypts the downloaded results file.<br><b>Type:</b> string<br><b>Example:</b><br><code>"3vGx4kJ9pQ7rT2wY8zB1cD5fH6mN0aSuVeXgZiLqKo8="</code>                                                                             |
| <code>download_from</code> | <b>Definition:</b> The URL where your encrypted, Zstandard-compressed results file will appear. Poll it until it returns HTTP 200.<br><b>Type:</b> string<br><b>Example:</b> <code>"https://s3.eu-west-1.wasabisys.com/finweb-results/Xy12Ab...Cd34.json.zstd.fernet"</code> |

## Downloaded Result Fields

To retrieve your results: poll `download_from` until it returns HTTP 200 (it returns 404 while the search is still running), decrypt the payload with the Fernet key in `decrypt_using`, zstd-

decompress it, and parse the JSON. The decrypted payload stored on Wasabi is a JSON object with three top-level keys: **message**, **query**, and **response** - but unlike Bulk Search, **response** is not a flat list of results: it is an array of interval buckets, one per time interval, each holding its own relevance-ranked **results** list. The rows below describe the envelope, the bucket object, and the seven timestamp fields that each result carries in addition to the standard flat fields. Raw timestamps preserve recovered source strings; UTC timestamps are normalized and may contain an indexed fallback when no raw source value was recovered.

| Output Field | Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|--------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| message      | <p><b>Definition:</b> A human-readable summary of how many independent interval searches ran and how many results came back.</p> <p><b>Type:</b> string</p> <p><b>Example:</b> "Completed 3 independent time searches and returned 30 results in 41.207 seconds."</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| query        | <p><b>Definition:</b> An echo of how NOSIBLE interpreted your search: the same query echo as the other search endpoints (instruction, question, expansions, filters, hyperparameters, search_lang, search_words, ...) plus a <b>time</b> block describing the interval bucketing.</p> <p><b>Type:</b> object</p> <p><b>Fields of query.time:</b></p> <p><b>timestamp_field</b> (str) - always published_utc; the field used for time-range filtering</p> <p><b>start / end</b> (str) - the normalized ISO 8601 range of the request</p> <p><b>sort</b> (str) - ascending or descending</p> <p><b>require_timezone</b> (bool) - whether timezone-less documents were excluded</p> <p><b>frequency</b> (str) - the interval size, e.g. 1d</p> <p><b>results_per_search</b> (int) - the n_results applied to each interval</p> <p><b>search_count</b> (int) - the number of interval searches (time buckets) run</p> <p><b>Example:</b></p> <pre>{   "question": "Conservation efforts for the Queen               Alexandra's Birdwing?",   "algorithm": "hybrid-3",   "n_results": 10,   "time": {     "timestamp_field": "published_utc",     "start": "2026-04-08T00:00:00+00:00",     "end": "2026-04-11T00:00:00+00:00",     "sort": "ascending",</pre> |

| Output Field | Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|--------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|              | <pre> "require_timezone": false, "frequency": "1d", "results_per_search": 10, "search_count": 3 }, ... } </pre>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| response     | <p><b>Definition:</b> The interval searches themselves: an array with exactly one bucket object per time interval (<code>search_count</code> in total), in the requested sort order.</p> <p><b>Type:</b> array of objects</p> <p><b>Example:</b></p> <pre> [   { "start": ..., "end": ..., "result_count": ...,     "evaluated": ..., "results": [...] },   ... ] </pre>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| response[ ]  | <p><b>Definition:</b> One interval bucket: an independent, relevance-ranked search over the documents whose <code>published_utc</code> falls inside the interval.</p> <p><b>Type:</b> object</p> <p><b>Fields:</b></p> <p><code>start</code> (str) - the inclusive ISO 8601 start of this interval</p> <p><code>end</code> (str) - the exclusive ISO 8601 end of this interval</p> <p><code>result_count</code> (int) - the number of results in this interval (at most <code>n_results</code>)</p> <p><code>evaluated</code> (int) - the number of records evaluated for this interval</p> <p><code>results</code> (array) - the interval's relevance-ranked results; each is one flat search result (the same format as Fast Search: <code>url_hash</code>, <code>url</code>, <code>netloc</code>, <code>published</code>, <code>visited</code>, <code>language</code>, <code>author</code>, <code>title</code>, <code>description</code>, <code>best_chunk</code>, <code>content</code>, <code>semantics</code>) plus the seven timestamp fields below</p> <p><b>Example:</b></p> <pre> {   "start": "2026-04-08T00:00:00+00:00",   "end": "2026-04-09T00:00:00+00:00",   "result_count": 10,   "evaluated": 1204213,   "results": [ {...}, ... ] } </pre> |

| Output Field  | Details                                                                                                                                                                                                                                                       |
|---------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| published_raw | <b>Definition:</b> The recovered source publication timestamp, or null. Raw timestamps preserve the recovered source strings.<br><b>Type:</b> string or null<br><b>Example:</b> "2025-08-12T09:30:00+10:00"                                                   |
| published_utc | <b>Definition:</b> The publication timestamp normalized to UTC. Time-range filtering always uses this indexed value. May contain an indexed fallback when no raw source value was recovered.<br><b>Type:</b> string<br><b>Example:</b> "2025-08-11T23:30:00Z" |
| modified_raw  | <b>Definition:</b> The recovered source modification timestamp, or null.<br><b>Type:</b> string or null<br><b>Example:</b> "2025-08-13T08:00:00+10:00"                                                                                                        |
| modified_utc  | <b>Definition:</b> The modification timestamp normalized to UTC, or null.<br><b>Type:</b> string or null<br><b>Example:</b> "2025-08-12T22:00:00Z"                                                                                                            |
| visited_raw   | <b>Definition:</b> The recovered crawl timestamp, or null.<br><b>Type:</b> string or null<br><b>Example:</b> "2026-06-30T14:12:05Z"                                                                                                                           |
| visited_utc   | <b>Definition:</b> The crawl timestamp normalized to UTC, or null.<br><b>Type:</b> string or null<br><b>Example:</b> "2026-06-30T14:12:05Z"                                                                                                                   |
| timezone      | <b>Definition:</b> The source offset associated with the published timestamp, or null.<br><b>Type:</b> string or null<br><b>Example:</b> "+10:00"                                                                                                             |

## Example Request and Response

The example below runs a time search end to end: submitting the search, then downloading, decrypting, and decompressing the results. All field values are illustrative.

### Example Request:

```
import requests

response = requests.post(
```

```

url="https://www.nosible.ai/search/v2/time-search",
json={
    "question": "Conservation efforts for the Queen Alexandra's Birdwing?",
    "start": "2026-04-08T00:00:00Z",
    "end": "2026-04-11T00:00:00Z",
    "frequency": "1d",
    "sort": "ascending",
    "require_timezone": False,
    "n_results": 10,
    "n_probes": 30,
    "n_contextify": 128,
    "algorithm": "hybrid-3",
    "collection": "everything",
    "sql_filter": "SELECT loc FROM engine"
},
headers={
    "Content-Type": "application/json",
    "api-key": "YOUR_NOSIBLE_API_KEY"
},
timeout=60
)

print(response.json())

```

### Example Immediate Response:

```

{
    "message": "Time search task accepted.",
    "decrypt_using": "3vGx4kJ9pQ7rT2wY8zB1cD5fH6mN0aSuVeXgZiLqKo8=",
    "download_from": "https://s3.eu-west-1.wasabisys.com/finweb-results/
                    Xy12Ab...Cd34.json.zstd.fernet"
}

```

### Example Retrieval (polling S3):

```

import json
import time

import requests
import zstandard as zstd
from cryptography.fernet import Fernet

download_details = response.json()

while True:
    time.sleep(15)
    download = requests.get(download_details["download_from"], timeout=60)
    if download.status_code == 200:
        break

decrypted = Fernet(
    download_details["decrypt_using"].encode("utf-8")
)

```

```

).decrypt(download.content)
decompressed = zstd.ZstdDecompressor().decompress(decrypted)
result = json.loads(decompressed)

print(json.dumps(result, indent=4, ensure_ascii=False))

```

**Example Decrypted Payload** (the final JSON stored on Wasabi, truncated to one interval bucket and one result):

```

{
  "message": "Completed 3 independent time searches and returned
             30 results in 41.207 seconds.",
  "query": {
    "instruction": "Retrieve semantically similar text.",
    "question": "Conservation efforts for the Queen Alexandra's Birdwing?",
    "expansions": [],
    "algorithm": "hybrid-3",
    "n_results": 10,
    "search_lang": "en",
    "search_words": ["conservation", "efforts", "queen", ...],
    ...
    "time": {
      "timestamp_field": "published_utc",
      "start": "2026-04-08T00:00:00+00:00",
      "end": "2026-04-11T00:00:00+00:00",
      "sort": "ascending",
      "require_timezone": false,
      "frequency": "1d",
      "results_per_search": 10,
      "search_count": 3
    }
  },
  "response": [
    {
      "start": "2026-04-08T00:00:00+00:00",
      "end": "2026-04-09T00:00:00+00:00",
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          "published": "2026-04-08",
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          "author": "Jane Doe",
          "title": "New sanctuary offers hope for the world's
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          "description": "Conservationists in Papua New Guinea have
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... one bucket per interval, search_count in total ...
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