

Software Engineering Lab Section A - API Report

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1 Introduction

The NY Times Article Search API is a powerful tool that allows developers to search and retrieve articles from the NY Times archives. It provides various search parameters such as keywords, filters, and facets to refine search results. I have tested the following URLs.

2 URLs tested:

2.1 https://api.nytimes.com/svc/search/v2/articlesearch.json?q=911&begin_date=19990911&end_date=20030911&sort=newest&api-key=<API_KEY>

1. Request body (JSON format):

```
1 {  
2   "q": "911",  
3   "begin_date": "19990911",  
4   "end_date": "20030911",  
5   "sort": "newest",  
6   "api-key": "<API_KEY>"  
7 }
```

2. Response format: JSON

3. Meaning/purpose of received information: This request searches for articles containing the keyword "911" between the dates 1999-09-11 and 2003-09-11, sorted in descending order of publication date. The response body contains an array of articles pertaining to the "911" incident that occurred in 2001. It returns all relevant news during the given range of date provided.

4. Screenshot:

[In Run-Through for Next Year, Mostly Sedate Merrymaking in Times Square](#)

New Year's Eve in New York City is cold, crowded and largely peaceful, but New Year is marred by three killings before it is even five hours old (M)

1999-01-02T05:00:00+0000

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1999-01-02T05:00:00+0000

[Bomb Threat Delays Flight From La Guardia](#)

Delta Air Lines flight bound for Florida from New York is abruptly terminated before taking off from LaGuardia Airport and passengers are evacuated after bomb threat is telephoned to police;

1999-01-04T05:00:00+0000

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1999-01-04T05:00:00+0000

[Watching for the Warning Signs of an Invisible Killer](#)

Jane E Brody Personal Health column on dangers posed by carbon monoxide poisoning, and steps to guard against it; table shows effects on body of varying percentages of carbon monoxide (M)

1999-01-05T05:00:00+0000

[Watching for the Warning Signs of an Invisible Killer](#)

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1999-01-05T05:00:00+0000

[Delta Air Lines Flight From New York](#)

2.2 **`https://api.nytimes.com/svc/search/v2/articlesearch.json?q=911&begin_date=19990911&end_date=20030911&sort=newest&api-key=<API_KEY>`**

1. Request body (JSON format):

```
1 {  
2   "q": "climate change",  
3   "begin_date": "20100101",  
4   "end_date": "20190101",  
5   "sort": "oldest",  
6   "api-key": "<API_KEY>"  
7 }
```

2. Response format:JSON

3. Meaning/purpose of received information: This request searches for articles containing the keyword "climate change", sorted in ascending order of publication date. The response body contains an array of articles matching articles related to climate change during the given range of time provided in the request body.

4. Screenshot:

[It's Always the End of the World as We Know It](#)

From today's perspective, the Y2K fiasco seemed to be less about technology than about a morbid fascination with end-of-the-world scenarios.

2010-01-01T01:17:52+0000

[It's Always the End of the World as We Know It](#)

From today's perspective, the Y2K fiasco seemed to be less about technology than about a morbid fascination with end-of-the-world scenarios.

2010-01-01T01:17:52+0000

[Chinese New Year](#)

Chinese mercantilism is a growing problem, and the victims of that mercantilism have little to lose from a trade confrontation.

2010-01-01T02:36:13+0000

[Chinese New Year](#)

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2010-01-01T02:36:13+0000

[The Copenhagen Call to Arms](#)

The global recession had a greater impact than all the diplomatic efforts that ended in the Copenhagen flop: energy production had not declined on such a scale since 1981.

2010-01-01T02:42:19+0000

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2010-01-01T02:42:19+0000

2.3 https://api.nytimes.com/svc/search/v2/articlesearch.json?q=artificial+intelligence&begin_date=20210101&end_date=20211231&sort=relevance&api-key=<API_KEY>

1. Request body (JSON format):

```
1 {  
2   "q": "artificial intelligence",  
3   "begin_date": "20210101",  
4   "end_date": "20211231",  
5   "sort": "relevance",  
6   "api-key": "<API_KEY>"  
7 }
```

2. Response format:JSON

3. Meaning/purpose of received information: This request searches for articles containing the keyword "artificial intelligence" between the dates 2021-01-01 and 2021-12-31, sorted in descending order of relevance. The response body contains an array of articles matching the search criteria.

4. Screenshot:

[Pamela McCorduck, Historian of Artificial Intelligence, Dies at 80](#)

She interviewed many of the scientists who were at the heart of the field through the end of the 1970s, and she compiled a groundbreaking history of its early years.

2021-11-04T19:29:07+0000

[The 2021 Good Tech Awards](#)

This year, technology companies stepped up on housing and criminal justice — with a dash of whistle-blowers mixed in.

2021-12-27T16:45:11+0000

[Killer Robots Aren't Science Fiction. A Push to Ban Them Is Growing.](#)

A U.N. conference made little headway this week on limiting development and use of killer robots, prompting stepped-up calls to outlaw such weapons with a new treaty.

2021-12-17T22:07:41+0000

[Group Backed by Top Companies Moves to Combat A.I. Bias in Hiring](#)

The organization has created a format for evaluating the technology, which is often used to screen job candidates.

2021-12-08T12:00:07+0000

[Crypto Moguls Prepare for Capitol Hill](#)

Six cryptocurrency chiefs will testify about the promises and perils of their industry.

2021-12-08T12:33:17+0000

[How TikTok Reads Your Mind](#)

It's the most successful video app in the world. Our columnist has obtained an internal company document that offers a new level of detail about how the algorithm works.

2021-12-06T04:00:08+0000

3 Conclusion

The NY Times Article Search API is a versatile tool that can be used to retrieve relevant articles from the NY Times archives. It offers various search parameters and filters to refine search results. By providing access to a vast collection of articles, the API can be a valuable resource for researchers, journalists, and developers alike.