Web Services

Documentation (/services) » Fetch all Pages that include a Specific Term

https://openei.org/services/api/content_assist/recommend?parameters

The *recommend* endpoint returns recommended content based on the given URL or topic. Reccommendations are given using the OpenEI search (https://openei.org/search/). If a URL is provided, this service will slurp content from that URL, feed the content to the REEGLE API to find terms, and feed those terms into OpenEI search (https://openei.org/search/) for content recommendations.

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Standard Request

The request URL provides the endpoint where your request will be sent. You'll need to send a GET request to:

https://openei.org/services/api/content_assist/recommend?*parameters*

You'll replace *parameters* with any of the request parameters. All requests must include a *topic* or *URL*.

Minimum Request Example

To retrieve search results for a topic:

GET https://openei.org/services/api/content_assist/recommend?topic=*topic*

Be sure to:

- Replace **topic** with the topic you would like to search for.

To retrieve search results for a URL:

GET https://openei.org/services/api/content_assist/recommend?url=*url*

Be sure to:

- Replace *url* with the URL you would like to search for.

Request Parameters

Parameter	Required	Value	Description
topic	url or topic is required	**Type:** string **Default:** NULL	The topic is a topic or URL you would like to search for. The results will be the same as those returned using the OpenEI search (https://openei.org/search/) user interface. If the topic and URL are both set and valid, the URL will be ignored. Topic requests are returned faster than URL requests, because URL requests get the data from the page and issue a call to the term extraction service (REEGLE API).
url	url or topic is required	**Type:** Array of strings **Default:** NULL	The url is a URL or topic you would like to search for. This content will be accessed as a public user. Privileged content is not accessible. Results are returned from the OpenEI wiki page (https://openei.org/wiki/). For example, the topic "Gateway:Solar" would return terms and recommendations related to the page https://openei.org/wiki/Gateway:Solar.
callback	No	**Type:** string **Default:** NULL	The callback returns a plaintext jsonp callback to wrap around the JSON object. If included e.g. ?callback=jsonp12345, the response will look like this: jsonp12345({ ... })
limit	No	**Type:** Integer **Default:** 3	Choose how many results to return for each entry type. For example, if a limit of 2 is set, the response will return no more than 2 entries per type (articles, definitions, images, etc).

Parameter	Required	Value	Description
version	No	**Type:** Integer **Default:**1	Choose which version of the API you would like to use. We reccomend using the latest version. When OpenEI releases a new version, backwards compatibility of new data to older API versions is a goal, though it is not guaranteed.

Response Fields

Field	Value	Description
terms	**Type:** array	The value returned is an array of terms (terms.term, terms.definition) returned from the webpage that matched the OpenEI definitions namespace.
terms_raw	**Type:** array	The value returned is an array of raw terms from the webpage that matched the URL. term[0] is the term and term[1] is the relevance score returned from the REEGLE API.
pages	**Type:** array	The value returned is an array of recommended pages. Returns fields pages.name, pages.link (relative to https://openei.org/) and pages.type.

Examples

Get a list of recommendations in JSON format

Request

GET /services/api/content_assist/recommend?url=*Gateway:Solar*&callback=callback&limit=2

Be sure to:

- Replace *Gateway:Solar* with the term or url you would like to search for.
- Set the *limit* to the number of records you would like returned.

Response

```
 1   callback({
 2      "terms": [
 3          {
 4              "term": "Energy",
 5              "definition": "Broadly defined as the capacity to do work. There are many forms of energy..."
 6          },
 7          {
 8              "term": "Solar energy",
 9              "definition": "Radiant energy emitted by the sun"
10          }
11      ],
12      "terms_raw": [
13          [
14              "solar",
15              100
16          ],
17          [
18              "energy",
19              61
20          ]
21      ],
22      "pages": [
23          {
24              "name": "ECOWAS Clean Energy Gateway",
25              "link": "/wiki/Gateway:ECOWAS_Clean_Energy_Gateway",
26              "type": "Articles"
27          },
28          {
29              "name": "Approve Page",
30              "link": "/wiki/Help:Approve_Page",
31              "type": "Help Pages"
32          },
33          {
34              "name": "Enhanced Geothermal Systems",
35              "link": "/wiki/Definition:Enhanced_Geothermal_Systems",
36              "type": "Definitions"
37          },
38          {
39              "name": "Wilson Eric Bio Photo2.jpg",
40              "link": "/wiki/File:Wilson_Eric_Bio_Photo2.jpg",
41              "type": "Images"
42          },
43          {
44              "name": "0383(2011).pdf",
45              "link": "/wiki/File:0383(2011).pdf",
46              "type": "Documents"
47          },
48          {
49              "name": "Ryan's response",
50              "link": "community/node/12#comment-2",
51              "type": "Community"
52          },
53          {
54              "name": "NREL-nv-80m.jpg",
55              "link": "/wiki/File:NREL-nv-80m.jpg",
56              "type": "Map Files"
57          },
58          {
59              "name": "STIL2 Swedish Office Buildings Survey",
60              "link": "/datasets/node/37",
61              "type": "Datasets"
62          }
63      ]
64   })
```

Errors

Standard errors (/services/doc/rest/web_service_errors) may be returned. In addition, the following service-specific errors may be returned:

HTTP Status Code	Description
400	Invalid Request — One or more parameters did not pass validation or a parameter may be missing. Check the *error* section of the response to see how the request URL should be modified to address the error.
500	A problem occurred on the server-side. This is likely due to a failure of a downsteram service. The request cannot be processed at this time.

Additional Resources

- /GET — Fetch Utility Rates (/services/doc/rest/util_rates?version=7)
- /GET — Fetch all Utility Companies (/services/doc/rest/util_cos)
- /GET — Fetch Incentives for Renewables & Efficiency (/services/doc/rest/incentives/)

- About OpenEI (/wiki/OpenEI:About)
- Get Involved (/wiki/OpenEI:Get_Involved)
- Contact (/wiki/OpenEI:About)
- Disclaimers (/wiki/OpenEI:General_disclaimer)
- Help (/wiki/Help:Contents)
- Print Page (/w/index.php?title=Wind for Schools Portal&printable=yes)
- Special Pages (/wiki/Special:SpecialPages)
- Upload File (/datasets/upload/)
- Developer Services (/services/)

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