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# **eContext API Documentation**

*Release 1.2.19*

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The eContext API exposes the functionality of the eContext platform to developers via a RESTful API. The general purpose is to provide access to eContext's hierarchical category structure, or Taxonomy; to allow for real-time classification of data to the taxonomy; and to allow for keyword retrieval from the eContext dataset utilizing rich searching and filtering capabilities.

### 1.1 Taxonomy Overlay

The eContext API can be used to classify content to 3rd party taxonomies, including industry standard taxonomies like the IAB, or custom client specific taxonomies. Contact our [Client Services Team](#) to learn more about the standard overlays we support, or commission a custom overlay.

### 1.2 Input Format

The input format to the eContext API is specified using the HTTP Content-Type header ([RFC 2616#section-14.17](#)). A Content-Type of `application/json` is preferred, and there is no guarantee that other Content-Types will be honored.

### 1.3 Output Format

The output format is generally set by using the HTTP Accept header ([RFC 2616#section-14.1](#)). The default output format for the eContext API is JSON (`application/json`). As the default output format, all examples in this documentation are displayed using JSON.

The following output formats are currently supported:

- `application/json` ([RFC 4627](#))





## 2.1 Rule-Based vs. Model-Based Classification

eContext offers a unique combination of curated, rule-based classification and machine learned, neural network model-based classification. Users can request classification from one or the other, or use a hybrid ML + rule-based system.

Classification results from the rule-based system can come from any one of eContext's 500,000+ topic categories, across its 20+ levels of the hierarchy. Classification from the model-based system can come from one of approximately 2,000 topic categories at the first 3 levels of depth in the hierarchy.

Users can select the method they wish to use with the `classification_type` parameter, and the values below:

Value	Description
0	Uses a hybrid ML + rule-based methodology (default for <code>classify/text</code> , <code>classify/html</code> , <code>classify/url</code> , and <code>classify/keywords</code> )
1	Rule-based method, only (default for <code>classify/social</code> )
2	Mode-based method, only

When machine learning models are being utilized, by default, eContext filters out predictions that fall below a certain probability threshold. This threshold can be adjusted by passing in an `ml_threshold` parameter with a float value between 0.0 and 1.0.

```
{
  "classification_type": 2,
  "ml_threshold": 0.70,
  "social": [
    "han and luke"
  ]
}
```

## 2.2 Fixing Classification Results to a Point in Time

eContext is continually expanding and improving its classification abilities, adding & removing categories in its hierarchy and altering rules that guide classification. New data is available in the eContext service every 24 hours (00:00 UTC).

However, there may be cases where users do not want the classification to change over the course of a long-running job or while processing batches of content across several days.

To ensure this consistency, users may pass in the `taxonomy_timestamp` parameter with their request. This parameter accepts a unix timestamp which will instruct the engine to ignore any changes made to the classification system after this date. Any timestamp within the past three weeks is considered valid. See the below example:

```
{
  "async": false,
  "taxonomy_timestamp": 1514764800,
  "social": [
    "happy new year!"
  ]
}
```

## CHAPTER 3

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### Authentication

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Authentication in the eContext API is handled using Basic HTTP Authentication (**RFC 2617**) over an SSL secured connection. Please contact eContext directly for login credentials. The HTTP Authorization header (**RFC 2616#section-14.8**) should be included with each request to the eContext API.

All calls described in the following documentation assume that you include the proper authentication with each call.



### Contents

- *Category*
  - *stats.social\_idf*
  - *stats.social\_relevance*
  - *Facets*
- *Overlay*
- *Entities*
  - *Available Entity types:*
- *Object Flags*

## 4.1 Category

A Category is the base classification object in the eContext platform. A typical Category will contain an id, a name, a path where the Category resides in the eContext Taxonomy, and the ids of each element in that path.

Each Category exists in exactly one location in the eContext Taxonomy and has only one parent. Categories may be altered over time, the content classified to them may differ, and their name, path, and idpath values may change. However, a Category will always keep the same id. A Category may represent a thing, place, person, product, service, or an abstract concept.

```
{  
  "id": "d974b27c85b666e371d1a2f5d50d5d48",  
  "name": "Breaking Bad",  
  "path": [  

```

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```

    "Arts & Entertainment",
    "Movies & Television",
    "Movie & TV Products",
    "TV",
    "Drama TV Shows",
    "Breaking Bad"
  ],
  "idpath": [
    "90a7a21c5fe42569fb5bb0d28ce9f77a",
    "7dde2749bbff96f9c111a50d8dd12fd8",
    "c4d86afd19597a9bd040fee32df9b318",
    "74c4ca4f7550a6267e1c0d1b5552465c",
    "fe88b63f0fdb129d97fe996c05d3ebf1",
    "d974b27c85b666e371d1a2f5d50d5d48"
  ],
  "stats": {
    "social_relevance": 0.0000432244,
    "social_idf": 9.8314479757,
    "commercial_score": 0.3
  },
  "facets": [
    [
      "domain",
      "product"
    ],
    [
      "brand",
      "breaking bad"
    ]
  ]
}

```

Attribute	Description
id	A unique identifier for this Category. Please note that ids are encoded to each account, and the ids shown in these examples will not be the same as those received from the service
name	The name of this Category
path	The path for this Category in the eContext Taxonomy
idpath	The path for this Category using ids
stats	Useful statistics associated with this Category
stats.social_relevance	The percentage of conversations found in eContext's Social Media feeds over the past month that address this specific Category. This statistic only applies to the single Category object, and does not aggregate or sum categories deeper in its hierarchical path
stats.social_idf	The Inverse Document Frequency of this Category. See below for more details
commercial_score	A value (0.0 - 1.0) representing the competition and cost of digital advertising around the category topic
facets	A list of values describing aspects of the category. See below for examples of response values

#### 4.1.1 stats.social\_idf

This statistic provides partial data for computing TF-IDF for categories in the Social space. Social IDF is calculated from conversations compiled from eContext's feeds of Social Media data over the past month. The provided number

is calculated as follows:

$$idf(t, D) = \log \frac{N}{|\{d \in D : t \in d\}|}$$

Where:

- $N$  = Total number of documents in the corpus
- $|\{d \in D : t \in d\}|$  = number of documents where the Category  $t$  appears

Please note that in this context, a term is a Category, not a lexeme, but can be useful for removing Category noise from your results.

### 4.1.2 stats.social\_relevance

This statistic provides information about the relevance of a particular Category in in eContext’s Social Media feeds over the past month and is calculated as follows:

$$relevance(t, D) = \frac{|\{d \in D : t \in d\}|}{C}$$

Where:

- $|\{d \in D : t \in d\}|$  = number of documents where the Category  $t$  appears
- $C$  = Sum of all categories found in each document the corpus

### 4.1.3 Facets

Facets add detail to the nature of a category topic, and can be useful for organizing classifications across different paths and verticals.

For example, linking categories for the Brand “Honda”, whether they appear in “Home & Garden” (Honda Lawn Mowers) or “Vehicles” (Honda Accord).

Below are some examples of possible values pairs returned in the Facets list. Additional Facet Types will be released in future versions.

Facet Type	Example Facet Value/s	Description
Domain	Product, Service, Facility, Information	A broad class describing if a category is a commercial item or piece of IP; an action or practice; a place; or an abstract concept
Brand	Apple, Honda, et al	The brand name associated with a category. May also be the name of a Person or piece of intellectual property (like a film series or TV show)
Product Line	iPhone, Accord, et al	A distinguishing name given to a set of items or services offered by a Brand

## 4.2 Overlay

An overlay object provides a map from the eContext taxonomy to a client’s own taxonomy, and/or an industry standard taxonomy, like the IAB Content Taxonomy. Overlays are only available to select clients at this time. Please contact our [Client Services Team](#) to learn more about the standard overlays we support, or commission a custom overlay.

In general, the overlay object itself will contain a dictionary of eContext Category ids that correspond to the categories dictionary, and then matching categories inside each subscribed taxonomy overlay.

For example, if a user is subscribed to the IAB taxonomy overlay, the output for the following *classify/keywords* call might look like this:

```
curl -X POST -H "Authorization: Basic __AUTHENTICATION__" -H "Content-Type: application/json" -d '{
  "async":false,
  "keywords":[
    "baby strollers",
    "chicago bears"
  ]
}' "https://api.econtext.com/v2/classify/keywords"
```

```
{
  "econtext": {
    "classify": {
      "mappings": [
        "33ffa2f8cae5b84455321ab2575441fe",
        "85edc49558d9373a4a5bcfc6eb0bac90"
      ],
      "categories": {
        "33ffa2f8cae5b84455321ab2575441fe": {
          "id": "33ffa2f8cae5b84455321ab2575441fe",
          "name": "Strollers",
          "path": [
            "Home & Garden",
            "Baby Needs",
            "Baby Products",
            "Baby Travel Products",
            "Baby Strollers & Carriages",
            "Strollers"
          ],
          "idpath": [
            "0b1cfd1a5102a974a372e9bc3cfff35",
            "5eae0deb470fb00144d9a73160dc81f4",
            "e142965050c94732a5044303907523f6",
            "20b3458f5d86613bd46b967a6832bce5",
            "83b0847bd055decd09c623c6c451014e",
            "33ffa2f8cae5b84455321ab2575441fe"
          ],
          "stats": {
            "social_relevance": 0.0000055254,
            "social_idf": 12.019372309892,
            "commercial_score": 0.6
          },
          "facets": [
            [
              "domain",
              "product"
            ]
          ]
        },
        "85edc49558d9373a4a5bcfc6eb0bac90": {
          "id": "85edc49558d9373a4a5bcfc6eb0bac90",
          "name": "Chicago Bears",
          "path": [
```

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```

    "Sports",
    "Team Sports",
    "Football",
    "Football Leagues & Teams",
    "Professional Football Leagues & Teams",
    "NFL",
    "National Football Conference",
    "National Football Conference - North Division",
    "Chicago Bears"
  ],
  "idpath": [
    "b00fac5f30dc8dbb660c8d08fe66f487",
    "97e2d582fd4e9fe6c9ca51128222e55f",
    "1d86d6fea65150be10232959abc02574",
    "9398300d477069715ad4682b293fb087",
    "04455c6d36d1056a7be0b231e861c0c5",
    "f3fafaec413cb4e87975d12457ddb9a1",
    "4f2d7f778d65a60d35cc53fff475e84f",
    "7680bb6c2b3e6babe7bfcc7c44fd752b",
    "85edc49558d9373a4a5bcfc6eb0bac90"
  ],
  "stats": {
    "social_relevance": 0.0000065315,
    "social_idf": 11.852088630462,
    "commercial_score": 0.35
  },
  "facets": [
    [
      "brand",
      "national football league"
    ],
    [
      "product line",
      "chicago bears"
    ]
  ]
},
"overlay": {
  "33ffa2f8cae5b84455321ab2575441fe": {
    "IAB_v2.0_2018": [
      [
        [
          "274",
          "Home & Garden"
        ]
      ],
      [
        [
          "196",
          "Family and Relationships::Parenting::Parenting Babies and Toddlers"
        ]
      ]
    ]
  },
  "85edc49558d9373a4a5bcfc6eb0bac90": {
    "IAB_v2.0_2018": [

```

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```

    [
      [
        "483",
        "Sports"
      ],
    ],
    [
      [
        "484",
        "Sports::American Football"
      ]
    ]
  ],
}
},
"signature": {
  "resource": "POST /classify/:type/:result_id",
  "status": "200 OK - successful",
  "client_ip": "127.0.0.1"
}
}
}

```

In this case, we're returning categories from the eContext 2018 IAB Taxonomy Overlay that maps from eContext categories to the IAB. The eContext "Strollers" Category maps to the IAB "Home & Garden" and "Parenting Babies and Toddlers" categories, and the eContext "Chicago Bears" Category maps to the IAB "Sports" and "American Football" categories.

Please note that the overlay object will not appear for categories/map or categories/search calls.

## 4.3 Entities

In addition to topics from its curated hierarchy, eContext can also use Named Entity Recognition (NER) to return additional information on a document.

Please note that the addition of Named Entity Recognition does increase latency.

Entity recognition is provided for the classify/social, classify/html, classify/text, and classify/url calls and can be enabled by passing in an additional parameter with your request object. For example, to retrieve Entities in a classify/social call you may pass in "entities":true as shown in the following example:

```

{
  "entities":true,
  "flags":true,
  "sentiment":true,
  "social":[
    "HAPPY PI DAY 3.141592653589793238462643383279502884197169399375...",
    "Happy birthday, MIT! The Institute was founded April 10, 1861 by William_
↳Barton Rogers. #tbt",
    "Consciousness is a state of matter",
    "Flying car by @MITAeroAstro spinoff @Terrafugia moves from science fiction_
↳to reality",
    "Amazing Time-Lapse Video Shows Evolution of #Universe Like Never Before",
    "MIT alum @JeopardyJulia now trails only @kenjennings for all-time #Jeopardy!_
↳wins",

```

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```

    "Happy b-day Nikola #Tesla! Startup @WiTricity is bringing his ideas on_
↪wireless power to life",
    "Seen at the Student Center this afternoon: Tetris hash browns!",
    "Researchers at @eapsMIT say a large earthquake may occur 5 miles from_
↪Istanbul",
    "MIT's robotic cheetah can now run and jump untethered",
    "Spacesuit from @MITAeroAstro shrink-wraps to astronauts' bodies",
    "This social post should be flagged for fireworks and gambling references"
  ]
}

```

For each item classified, its recognized `entities` will be returned in a separate list from `scored_categories`. Entity ids can be referenced in the `categories` dictionary to lookup their names, paths, and `idpaths`. In some cases, one or more of the recognized entities may be synonymous with a `Category`, and the id for the category will be included in the `entities` list, along with an `Entity type`.

### 4.3.1 Available Entity types:

Entity	Description
PERSON	Names of people
NORP	Nationalities or religious and political groups
FAC	Facilities
ORG	Organizations
GPE	Geo-political entities
LOC	Locations that are not GPEs
PRODUCT	Products
EVENT	Events
WORK_OF_ART	Titles of works of art including music, books, paintings, etc
LAW	Laws and legal documents
LANGUAGE	Names of Languages

eContext's Entity recognition should resolve multiple occurrences or references of the same Entity in a document into a single entry. For some location Entities, eContext may provide additional levels of detail by referencing the Entity against a custom gazetteer.

## 4.4 Object Flags

Along with classification of content, eContext is able to identify and flag social media posts and keywords for content that may be unsuitable for your audiences. Please note that the addition of content flagging does increase latency.

Social media posts and keywords may be flagged in real-time to the following categories and can be triggered by passing in `"flags": true` in your request object.

eContext offers the following flagging categories. Be advised that these flags are optimized for keyword search & display, and are engineered to over-flag in cases of ambiguity.

ID	Flag Name	Description
2	General	Text fails general standards, including obscene language
4	Adult	Text contains adult content
8	Alcohol	Text contains content referring to alcohol
16	Fireworks	Text contains content referring to fireworks
32	Gambling	Text contains content referring to gambling
64	Prescription Drugs	Text contains content referring to prescription drugs
128	Tobacco and Cigarettes	Text contains content referring to smoking, tobacco, or cigarettes
256	Weapons	Text contains content referring to weapons
2048	Intent	Text contains either a purchase, comparison, question, or negative intent

---

## Non-English Content in eContext

---

eContext accepts content in selected non-english languages, as described in this section.

eContext uses a variety of additional technology to support this capability so latency may increase compared to processing content in English. Content in some languages may take longer to process than others.

All eContext Category information is currently returned in English.

### 5.1 Calls that Accept Non-English Content

- *Classify HTML*
- *Classify Keywords*
- *Classify Social*
- *Classify Text*
- *Classify URL*

In supported calls, please identify the source language using an ISO 639-1 Code. For example, in a classify/social call you might use the following:

```
{
  "social": [
    "5 libros para entender los regímenes militares de América Latina",
    "5 discos para llevarse a una isla desierta: ¿cuál te llevarías tú?",
    "¿Vale la pena pagar miles de dólares por unos altavoces de música de alta_
→tecnología?",
    "Cómo evitar que Facebook publique malos recuerdos en tu muro",
    "Los 'drones' inflables con los que las potencias protegerán sus portaaviones
→",
    "Cómo es el recién creado Microlattice, el metal 'más liviano' del mundo",
    "5 grandes detectives de la literatura latinoamericana"
  ],
}
```

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```
"source_language": "es"  
}
```

## 5.2 Supported Languages

eContext provides support for the following languages:

- Arabic
- German
- Spanish
- French
- Italian
- Portuguese
- Russian
- Turkish

### 5.2.1 Additional Languages

If you need to submit content in a language not included in the list of supported languages, please contact our [Client Services Team](#). eContext is always soliciting feedback on new languages to support, and can iterate quickly if your data demands it.

---

List of Available Functions

---

## 6.1 NLP

Perform Natural Language Processing functions against text strings and documents.

Method	Resource	Description
POST	nlp/parse	Performs Part of Speech (POS) tagging, Named Entity Recognition (NER), dependency parsing, tokenization, sentiment analysis, and other core functions of the eContext NLP stack.
POST	nlp/lid	Identify the language of some text input.

## 6.2 Categories

Classify single keywords into the eContext Taxonomy.

Method	Resource	Description
POST	categories/categories	Retrieve a dictionary of Categories and associated Overlays given a list of category ids.
GET	categories/tiers	Retrieve top tier Categories from the eContext Taxonomy.
GET	categories/map/:keyword	Retrieve a best map Category from the provided keyword based on the eContext knowledge set.
GET	categories/search/:keyword	Retrieve a set of possible Categories from the provided keyword based on comparing the keyword with pre-classified keywords in the eContext Dataset.

## 6.3 Content Classification

Classify long-form text context, short-form text content (including social media), the content from URLs or HTML, or lists of keywords into the eContext Taxonomy.

Method	Resource	Description
POST	classify/text	Submit plain text for classification.
POST	classify/social	Submit a list of social posts for classification.
POST	classify/url	Submit a url to be retrieved and classified.
POST	classify/html	Submit HTML code for classification.
POST	classify/keywords	Submit a list of keywords for classification.

## 6.4 Keywords

Retrieve collections of keywords based on executed searches.

Method	Resource	Description
POST	keywords/search	Execute a search based on provided parameters.
GET	keywords/search/:result_id	Retrieve keywords from the specified search.

## 6.5 User Information

Retrieve basic user and billing cycle information.

Method	Resource	Description
GET	user/attributes	Return basic information about the current user.
GET	user/usage	Retrieve the usage information for the current billing cycle.
GET	user/taxonomies	Retrieve a list of public and privately available taxonomies.
POST	user/taxonomy	Create a custom taxonomy for use in classification tasks.
GET	user/taxonomy/:dataset_id	Retrieve a customized taxonomy.
DELETE	user/taxonomy/:dataset_id	Delete a customized taxonomy.



### **NLP Calls**

- *POST nlp/parse*
  - *Resource URL*
  - *Example Request*
    - \* *POST Request*
    - \* *POST Response*
- *POST nlp/lid*
  - *Resource URL*
  - *Example Request*
    - \* *POST Request*
    - \* *POST Response*
- *POST nlp/summarize*
  - *Resource URL*
  - *Parameters*
  - *Example Request*
    - \* *POST Request*
    - \* *POST Response*

## 7.1 POST nlp/parse

Performs Part of Speech (POS) tagging, Named Entity Recognition (NER), dependency parsing, tokenization, sentiment analysis, and other core functions of the eContext NLP stack. Connections to this endpoint are currently limited to select users. Please contact us if you're interested in accessing these functions.

### 7.1.1 Resource URL

<https://api.econtext.com/v2/nlp/parse>

### 7.1.2 Example Request

#### POST Request

```
curl -X POST -u username:password --data-binary @nlp-parse-input.json \  
--header "Content-type: application/json" \  
https://api.econtext.com/v2/nlp/parse
```

The contents of `nlp-parse-input.json.json`:

```
{  
  "text": "The American Red Cross exists to provide compassionate care to those_   
↳in need. Our network of generous donors, volunteers and employees share a mission_   
↳of preventing and relieving suffering, here at home and around the world."  
}
```

#### POST Response

```
{  
  "econtext": {  
    "nlp": {  
      "doc": {  
        "sentences": [  
          {  
            "index": 0,  
            "char_offset": [  
              0,  
              77  
            ],  
            "tokens": [  
              {  
                "text": "The",  
                "lemma": "the",  
                "index": 0,  
                "char_offset": [  
                  0,  
                  3  
                ],  
                "part_of_speech": {  
                  "tag": "DT",  
                  "detail": "determiner"  
                }  
              },  
              {  
                "text": "American",  
                "lemma": "american",  
                "index": 1,  
                "char_offset": [  
                  4,  
                  14  
                ],  
                "part_of_speech": {  
                  "tag": "NNP",  
                  "detail": "proper_noun_singular"  
                }  
              },  
              {  
                "text": "Red",  
                "lemma": "red",  
                "index": 2,  
                "char_offset": [  
                  15,  
                  18  
                ],  
                "part_of_speech": {  
                  "tag": "JJ",  
                  "detail": "color_adjective"  
                }  
              },  
              {  
                "text": "Cross",  
                "lemma": "cross",  
                "index": 3,  
                "char_offset": [  
                  19,  
                  25  
                ],  
                "part_of_speech": {  
                  "tag": "NNP",  
                  "detail": "proper_noun_singular"  
                }  
              },  
              {  
                "text": "exists",  
                "lemma": "exist",  
                "index": 4,  
                "char_offset": [  
                  26,  
                  32  
                ],  
                "part_of_speech": {  
                  "tag": "VBZ",  
                  "detail": "third_person_singular_present_tense"  
                }  
              },  
              {  
                "text": "to",  
                "lemma": "to",  
                "index": 5,  
                "char_offset": [  
                  33,  
                  35  
                ],  
                "part_of_speech": {  
                  "tag": "TO",  
                  "detail": "particle"  
                }  
              },  
              {  
                "text": "provide",  
                "lemma": "provide",  
                "index": 6,  
                "char_offset": [  
                  36,  
                  43  
                ],  
                "part_of_speech": {  
                  "tag": "VB",  
                  "detail": "base_form_verb_singular_present_tense"  
                }  
              },  
              {  
                "text": "compassionate",  
                "lemma": "compassionate",  
                "index": 7,  
                "char_offset": [  
                  44,  
                  56  
                ],  
                "part_of_speech": {  
                  "tag": "JJ",  
                  "detail": "adjective"  
                }  
              },  
              {  
                "text": "care",  
                "lemma": "care",  
                "index": 8,  
                "char_offset": [  
                  57,  
                  61  
                ],  
                "part_of_speech": {  
                  "tag": "NN",  
                  "detail": "noun_singular"  
                }  
              },  
              {  
                "text": "to",  
                "lemma": "to",  
                "index": 9,  
                "char_offset": [  
                  62,  
                  64  
                ],  
                "part_of_speech": {  
                  "tag": "TO",  
                  "detail": "particle"  
                }  
              },  
              {  
                "text": "those",  
                "lemma": "that",  
                "index": 10,  
                "char_offset": [  
                  65,  
                  70  
                ],  
                "part_of_speech": {  
                  "tag": "DT",  
                  "detail": "demonstrative_pronoun_singular"  
                }  
              },  
              {  
                "text": "in",  
                "lemma": "in",  
                "index": 11,  
                "char_offset": [  
                  71,  
                  73  
                ],  
                "part_of_speech": {  
                  "tag": "IN",  
                  "detail": "preposition"  
                }  
              },  
              {  
                "text": "need",  
                "lemma": "need",  
                "index": 12,  
                "char_offset": [  
                  74,  
                  78  
                ],  
                "part_of_speech": {  
                  "tag": "NN",  
                  "detail": "noun_singular"  
                }  
              },  
              {  
                "text": "Our",  
                "lemma": "our",  
                "index": 13,  
                "char_offset": [  
                  79,  
                  82  
                ],  
                "part_of_speech": {  
                  "tag": "PRP",  
                  "detail": "possessive_pronoun_singular"  
                }  
              },  
              {  
                "text": "network",  
                "lemma": "network",  
                "index": 14,  
                "char_offset": [  
                  83,  
                  90  
                ],  
                "part_of_speech": {  
                  "tag": "NN",  
                  "detail": "noun_singular"  
                }  
              },  
              {  
                "text": "of",  
                "lemma": "of",  
                "index": 15,  
                "char_offset": [  
                  91,  
                  93  
                ],  
                "part_of_speech": {  
                  "tag": "IN",  
                  "detail": "preposition"  
                }  
              },  
              {  
                "text": "generous",  
                "lemma": "generous",  
                "index": 16,  
                "char_offset": [  
                  94,  
                  101  
                ],  
                "part_of_speech": {  
                  "tag": "JJ",  
                  "detail": "adjective"  
                }  
              },  
              {  
                "text": "donors",  
                "lemma": "donor",  
                "index": 17,  
                "char_offset": [  
                  102,  
                  108  
                ],  
                "part_of_speech": {  
                  "tag": "NNS",  
                  "detail": "noun_plural"  
                }  
              },  
              {  
                "text": "and",  
                "lemma": "and",  
                "index": 18,  
                "char_offset": [  
                  109,  
                  112  
                ],  
                "part_of_speech": {  
                  "tag": "CC",  
                  "detail": "coordinating_conjunction"  
                }  
              },  
              {  
                "text": "employees",  
                "lemma": "employee",  
                "index": 19,  
                "char_offset": [  
                  113,  
                  121  
                ],  
                "part_of_speech": {  
                  "tag": "NNS",  
                  "detail": "noun_plural"  
                }  
              },  
              {  
                "text": "share",  
                "lemma": "share",  
                "index": 20,  
                "char_offset": [  
                  122,  
                  127  
                ],  
                "part_of_speech": {  
                  "tag": "VBP",  
                  "detail": "base_form_verb_singular_present_tense"  
                }  
              },  
              {  
                "text": "a",  
                "lemma": "a",  
                "index": 21,  
                "char_offset": [  
                  128,  
                  129  
                ],  
                "part_of_speech": {  
                  "tag": "DT",  
                  "detail": "indefinite_article_singular"  
                }  
              },  
              {  
                "text": "mission",  
                "lemma": "mission",  
                "index": 22,  
                "char_offset": [  
                  130,  
                  137  
                ],  
                "part_of_speech": {  
                  "tag": "NN",  
                  "detail": "noun_singular"  
                }  
              },  
              {  
                "text": "of",  
                "lemma": "of",  
                "index": 23,  
                "char_offset": [  
                  138,  
                  140  
                ],  
                "part_of_speech": {  
                  "tag": "IN",  
                  "detail": "preposition"  
                }  
              },  
              {  
                "text": "preventing",  
                "lemma": "prevent",  
                "index": 24,  
                "char_offset": [  
                  141,  
                  150  
                ],  
                "part_of_speech": {  
                  "tag": "VBG",  
                  "detail": "gerund_verb_singular_present_tense"  
                }  
              },  
              {  
                "text": "and",  
                "lemma": "and",  
                "index": 25,  
                "char_offset": [  
                  151,  
                  154  
                ],  
                "part_of_speech": {  
                  "tag": "CC",  
                  "detail": "coordinating_conjunction"  
                }  
              },  
              {  
                "text": "relieving",  
                "lemma": "relieve",  
                "index": 26,  
                "char_offset": [  
                  155,  
                  163  
                ],  
                "part_of_speech": {  
                  "tag": "VBG",  
                  "detail": "gerund_verb_singular_present_tense"  
                }  
              },  
              {  
                "text": "suffering",  
                "lemma": "suffer",  
                "index": 27,  
                "char_offset": [  
                  164,  
                  172  
                ],  
                "part_of_speech": {  
                  "tag": "NN",  
                  "detail": "noun_singular"  
                }  
              },  
              {  
                "text": ",",  
                "lemma": ",",  
                "index": 28,  
                "char_offset": [  
                  173,  
                  174  
                ],  
                "part_of_speech": {  
                  "tag": "PUNCT",  
                  "detail": "punctuation_mark_comma"  
                }  
              },  
              {  
                "text": "here",  
                "lemma": "here",  
                "index": 29,  
                "char_offset": [  
                  175,  
                  179  
                ],  
                "part_of_speech": {  
                  "tag": "RB",  
                  "detail": "adverb"  
                }  
              },  
              {  
                "text": "at",  
                "lemma": "at",  
                "index": 30,  
                "char_offset": [  
                  180,  
                  182  
                ],  
                "part_of_speech": {  
                  "tag": "IN",  
                  "detail": "preposition"  
                }  
              },  
              {  
                "text": "home",  
                "lemma": "home",  
                "index": 31,  
                "char_offset": [  
                  183,  
                  187  
                ],  
                "part_of_speech": {  
                  "tag": "NN",  
                  "detail": "noun_singular"  
                }  
              },  
              {  
                "text": "and",  
                "lemma": "and",  
                "index": 32,  
                "char_offset": [  
                  188,  
                  191  
                ],  
                "part_of_speech": {  
                  "tag": "CC",  
                  "detail": "coordinating_conjunction"  
                }  
              },  
              {  
                "text": "around",  
                "lemma": "around",  
                "index": 33,  
                "char_offset": [  
                  192,  
                  198  
                ],  
                "part_of_speech": {  
                  "tag": "IN",  
                  "detail": "preposition"  
                }  
              },  
              {  
                "text": "the",  
                "lemma": "the",  
                "index": 34,  
                "char_offset": [  
                  199,  
                  201  
                ],  
                "part_of_speech": {  
                  "tag": "DT",  
                  "detail": "definite_article_singular"  
                }  
              },  
              {  
                "text": "world",  
                "lemma": "world",  
                "index": 35,  
                "char_offset": [  
                  202,  
                  207  
                ],  
                "part_of_speech": {  
                  "tag": "NN",  
                  "detail": "noun_singular"  
                }  
              },  
              {  
                "text": ".",  
                "lemma": ".",  
                "index": 36,  
                "char_offset": [  
                  208,  
                  209  
                ],  
                "part_of_speech": {  
                  "tag": "PUNCT",  
                  "detail": "punctuation_mark_period"  
                }  
              }  
            ]  
          }  
        ]  
      }  
    }  
  }  
}
```

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```

      "dependency_parse": {
        "head_index": 3,
        "label": "det"
      }
    },
    {
      "text": "American",
      "lemma": "American",
      "index": 1,
      "char_offset": [
        4,
        12
      ],
      "part_of_speech": {
        "tag": "NNP",
        "detail": "noun, proper singular"
      },
      "dependency_parse": {
        "head_index": 3,
        "label": "compound"
      }
    },
    {
      "text": "Red",
      "lemma": "Red",
      "index": 2,
      "char_offset": [
        13,
        16
      ],
      "part_of_speech": {
        "tag": "NNP",
        "detail": "noun, proper singular"
      },
      "dependency_parse": {
        "head_index": 3,
        "label": "compound"
      }
    },
    {
      "text": "Cross",
      "lemma": "Cross",
      "index": 3,
      "char_offset": [
        17,
        22
      ],
      "part_of_speech": {
        "tag": "NNP",
        "detail": "noun, proper singular"
      },
      "dependency_parse": {
        "head_index": 4,
        "label": "nsubj"
      }
    }
  },
  {

```

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```

    "text": "exists",
    "lemma": "exist",
    "index": 4,
    "char_offset": [
      23,
      29
    ],
    "part_of_speech": {
      "tag": "VBZ",
      "detail": "verb, 3rd person singular present"
    },
    "dependency_parse": {
      "head_index": 4,
      "label": "ROOT"
    }
  },
  {
    "text": "to",
    "lemma": "to",
    "index": 5,
    "char_offset": [
      30,
      32
    ],
    "part_of_speech": {
      "tag": "TO",
      "detail": "infinitival to"
    },
    "dependency_parse": {
      "head_index": 6,
      "label": "aux"
    }
  },
  {
    "text": "provide",
    "lemma": "provide",
    "index": 6,
    "char_offset": [
      33,
      40
    ],
    "part_of_speech": {
      "tag": "VB",
      "detail": "verb, base form"
    },
    "dependency_parse": {
      "head_index": 4,
      "label": "xcomp"
    }
  },
  {
    "text": "compassionate",
    "lemma": "compassionate",
    "index": 7,
    "char_offset": [
      41,
      54
    ]
  }

```

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```

    ],
    "part_of_speech": {
      "tag": "JJ",
      "detail": "adjective"
    },
  },
  "dependency_parse": {
    "head_index": 8,
    "label": "amod"
  }
},
{
  "text": "care",
  "lemma": "care",
  "index": 8,
  "char_offset": [
    55,
    59
  ],
  "part_of_speech": {
    "tag": "NN",
    "detail": "noun, singular or mass"
  },
  "dependency_parse": {
    "head_index": 6,
    "label": "dobj"
  }
},
{
  "text": "to",
  "lemma": "to",
  "index": 9,
  "char_offset": [
    60,
    62
  ],
  "part_of_speech": {
    "tag": "IN",
    "detail": "conjunction, subordinating or_
↪preposition"
  },
  "dependency_parse": {
    "head_index": 6,
    "label": "dative"
  }
},
{
  "text": "those",
  "lemma": "those",
  "index": 10,
  "char_offset": [
    63,
    68
  ],
  "part_of_speech": {
    "tag": "DT",
    "detail": "determiner"
  },
},

```

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```

        "dependency_parse": {
            "head_index": 9,
            "label": "pobj"
        }
    },
    {
        "text": "in",
        "lemma": "in",
        "index": 11,
        "char_offset": [
            69,
            71
        ],
        "part_of_speech": {
            "tag": "IN",
            "detail": "conjunction, subordinating or_
↪preposition"
        }
    },
    "dependency_parse": {
        "head_index": 10,
        "label": "prep"
    }
},
{
    "text": "need",
    "lemma": "need",
    "index": 12,
    "char_offset": [
        72,
        76
    ],
    "part_of_speech": {
        "tag": "NN",
        "detail": "noun, singular or mass"
    }
},
"dependency_parse": {
    "head_index": 11,
    "label": "pobj"
}
},
{
    "text": ".",
    "lemma": ".",
    "index": 13,
    "char_offset": [
        76,
        77
    ],
    "part_of_speech": {
        "tag": ".",
        "detail": "punctuation mark, sentence closer"
    }
},
"dependency_parse": {
    "head_index": 4,
    "label": "punct"
}
}

```

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```

    ]
  },
  {
    "index": 1,
    "char_offset": [
      78,
      224
    ],
    "tokens": [
      {
        "text": "Our",
        "lemma": "-PRON-",
        "index": 14,
        "char_offset": [
          78,
          81
        ],
        "part_of_speech": {
          "tag": "PRP$",
          "detail": "pronoun, possessive"
        },
        "dependency_parse": {
          "head_index": 15,
          "label": "poss"
        }
      },
      {
        "text": "network",
        "lemma": "network",
        "index": 15,
        "char_offset": [
          82,
          89
        ],
        "part_of_speech": {
          "tag": "NN",
          "detail": "noun, singular or mass"
        },
        "dependency_parse": {
          "head_index": 23,
          "label": "nsubj"
        }
      },
      {
        "text": "of",
        "lemma": "of",
        "index": 16,
        "char_offset": [
          90,
          92
        ],
        "part_of_speech": {
          "tag": "IN",
          "detail": "conjunction, subordinating or_
↳preposition"
        },
        "dependency_parse": {

```

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```

        "head_index": 15,
        "label": "prep"
    }
},
{
    "text": "generous",
    "lemma": "generous",
    "index": 17,
    "char_offset": [
        93,
        101
    ],
    "part_of_speech": {
        "tag": "JJ",
        "detail": "adjective"
    },
    "dependency_parse": {
        "head_index": 18,
        "label": "amod"
    }
},
{
    "text": "donors",
    "lemma": "donor",
    "index": 18,
    "char_offset": [
        102,
        108
    ],
    "part_of_speech": {
        "tag": "NNS",
        "detail": "noun, plural"
    },
    "dependency_parse": {
        "head_index": 16,
        "label": "pobj"
    }
},
{
    "text": ",",
    "lemma": ",",
    "index": 19,
    "char_offset": [
        108,
        109
    ],
    "part_of_speech": {
        "tag": ",",
        "detail": "punctuation mark, comma"
    },
    "dependency_parse": {
        "head_index": 18,
        "label": "punct"
    }
},
{
    "text": "volunteers",

```

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```

    "lemma": "volunteer",
    "index": 20,
    "char_offset": [
      110,
      120
    ],
    "part_of_speech": {
      "tag": "NNS",
      "detail": "noun, plural"
    },
    "dependency_parse": {
      "head_index": 18,
      "label": "conj"
    }
  },
  {
    "text": "and",
    "lemma": "and",
    "index": 21,
    "char_offset": [
      121,
      124
    ],
    "part_of_speech": {
      "tag": "CC",
      "detail": "conjunction, coordinating"
    },
    "dependency_parse": {
      "head_index": 20,
      "label": "cc"
    }
  },
  {
    "text": "employees",
    "lemma": "employee",
    "index": 22,
    "char_offset": [
      125,
      134
    ],
    "part_of_speech": {
      "tag": "NNS",
      "detail": "noun, plural"
    },
    "dependency_parse": {
      "head_index": 20,
      "label": "conj"
    }
  },
  {
    "text": "share",
    "lemma": "share",
    "index": 23,
    "char_offset": [
      135,
      140
    ],

```

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```

    "part_of_speech": {
      "tag": "VBP",
      "detail": "verb, non-3rd person singular present"
    },
    "dependency_parse": {
      "head_index": 23,
      "label": "ROOT"
    }
  },
  {
    "text": "a",
    "lemma": "a",
    "index": 24,
    "char_offset": [
      141,
      142
    ],
    "part_of_speech": {
      "tag": "DT",
      "detail": "determiner"
    },
    "dependency_parse": {
      "head_index": 25,
      "label": "det"
    }
  },
  {
    "text": "mission",
    "lemma": "mission",
    "index": 25,
    "char_offset": [
      143,
      150
    ],
    "part_of_speech": {
      "tag": "NN",
      "detail": "noun, singular or mass"
    },
    "dependency_parse": {
      "head_index": 23,
      "label": "dobj"
    }
  },
  {
    "text": "of",
    "lemma": "of",
    "index": 26,
    "char_offset": [
      151,
      153
    ],
    "part_of_speech": {
      "tag": "IN",
      "detail": "conjunction, subordinating or ↵
↵preposition"
    },
    "dependency_parse": {

```

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```

        "head_index": 25,
        "label": "prep"
    }
},
{
    "text": "preventing",
    "lemma": "prevent",
    "index": 27,
    "char_offset": [
        154,
        164
    ],
    "part_of_speech": {
        "tag": "VBG",
        "detail": "verb, gerund or present participle"
    },
    "dependency_parse": {
        "head_index": 26,
        "label": "pcomp"
    }
},
{
    "text": "and",
    "lemma": "and",
    "index": 28,
    "char_offset": [
        165,
        168
    ],
    "part_of_speech": {
        "tag": "CC",
        "detail": "conjunction, coordinating"
    },
    "dependency_parse": {
        "head_index": 27,
        "label": "cc"
    }
},
{
    "text": "relieving",
    "lemma": "relieve",
    "index": 29,
    "char_offset": [
        169,
        178
    ],
    "part_of_speech": {
        "tag": "VBG",
        "detail": "verb, gerund or present participle"
    },
    "dependency_parse": {
        "head_index": 27,
        "label": "conj"
    }
},
{
    "text": "suffering",

```

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```
    "lemma": "suffering",
    "index": 30,
    "char_offset": [
      179,
      188
    ],
    "part_of_speech": {
      "tag": "NN",
      "detail": "noun, singular or mass"
    },
    "dependency_parse": {
      "head_index": 29,
      "label": "dobj"
    }
  },
  {
    "text": ",",
    "lemma": ",",
    "index": 31,
    "char_offset": [
      188,
      189
    ],
    "part_of_speech": {
      "tag": ",",
      "detail": "punctuation mark, comma"
    },
    "dependency_parse": {
      "head_index": 27,
      "label": "punct"
    }
  },
  {
    "text": "here",
    "lemma": "here",
    "index": 32,
    "char_offset": [
      190,
      194
    ],
    "part_of_speech": {
      "tag": "RB",
      "detail": "adverb"
    },
    "dependency_parse": {
      "head_index": 27,
      "label": "advmod"
    }
  },
  {
    "text": "at",
    "lemma": "at",
    "index": 33,
    "char_offset": [
      195,
      197
    ],
  },
```

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```

    "part_of_speech": {
      "tag": "IN",
      "detail": "conjunction, subordinating or_
↳preposition"
    },
    "dependency_parse": {
      "head_index": 32,
      "label": "prep"
    }
  },
  {
    "text": "home",
    "lemma": "home",
    "index": 34,
    "char_offset": [
      198,
      202
    ],
    "part_of_speech": {
      "tag": "NN",
      "detail": "noun, singular or mass"
    },
    "dependency_parse": {
      "head_index": 33,
      "label": "pobj"
    }
  },
  {
    "text": "and",
    "lemma": "and",
    "index": 35,
    "char_offset": [
      203,
      206
    ],
    "part_of_speech": {
      "tag": "CC",
      "detail": "conjunction, coordinating"
    },
    "dependency_parse": {
      "head_index": 33,
      "label": "cc"
    }
  },
  {
    "text": "around",
    "lemma": "around",
    "index": 36,
    "char_offset": [
      207,
      213
    ],
    "part_of_speech": {
      "tag": "IN",
      "detail": "conjunction, subordinating or_
↳preposition"
    },

```

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```

        "dependency_parse": {
            "head_index": 33,
            "label": "conj"
        }
    },
    {
        "text": "the",
        "lemma": "the",
        "index": 37,
        "char_offset": [
            214,
            217
        ],
        "part_of_speech": {
            "tag": "DT",
            "detail": "determiner"
        },
        "dependency_parse": {
            "head_index": 38,
            "label": "det"
        }
    },
    {
        "text": "world",
        "lemma": "world",
        "index": 38,
        "char_offset": [
            218,
            223
        ],
        "part_of_speech": {
            "tag": "NN",
            "detail": "noun, singular or mass"
        },
        "dependency_parse": {
            "head_index": 36,
            "label": "pobj"
        }
    },
    {
        "text": ".",
        "lemma": ".",
        "index": 39,
        "char_offset": [
            223,
            224
        ],
        "part_of_speech": {
            "tag": ".",
            "detail": "punctuation mark, sentence closer"
        },
        "dependency_parse": {
            "head_index": 23,
            "label": "punct"
        }
    }
}
]

```

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```

    }
  ],
  "entities": [
    {
      "text": "American",
      "label": "NORP",
      "token_offset": [
        1,
        2
      ],
      "char_offset": [
        4,
        12
      ]
    }
  ],
  "sentiment": 0.7974
}
},
"signature": {
  "resource": "POST \\/nlp\/parse",
  "status": "200 OK - successful",
  "client_ip": "209.41.117.158"
}
}
}

```

## 7.2 POST nlp/lid

Identify the language of some text input. Results are returned indicating an ISO 639-1 Code.

### 7.2.1 Resource URL

<https://api.econtext.com/v2/nlp/lid>

### 7.2.2 Example Request

#### POST Request

```

curl -X POST -u username:password --data-binary @nlp-lid-input.json \
--header "Content-type: application/json" \
https://api.econtext.com/v2/nlp/lid

```

The contents of `nlp-lid-input.json`:

```

{
  "input": [
    "Hello world",
    "Hola Mundo",
    ""
  ]
}

```

## POST Response

```

{
  "econtext": {
    "nlp": {
      "lid": [
        "en",
        "es",
        "ja"
      ]
    },
    "signature": {
      "resource": "POST \\/nlp\/lid",
      "status": "200 OK - successful",
      "client_ip": "209.41.117.158"
    }
  }
}

```

## 7.3 POST nlp/summarize

### 7.3.1 Resource URL

<https://api.econtext.com/v2/nlp/summarize>

### 7.3.2 Parameters

Parameter	Type	Description
<code>input_type</code> ( <i>required</i> )	string	What type of input is being provided. Available options include <code>text</code> , <code>html</code> , or <code>url</code>
<code>input</code> ( <i>required</i> )	string	The input content to be classified
<code>topn</code> ( <i>optional</i> )	int	The number of categories to focus on when performing summarization. Defaults to 2 top verticals present in the input text.
<code>category_ids</code> ( <i>optional</i> )	[string]	A list of <code>category_ids</code> to focus on when performing summarization. This will override <code>topn</code> .
<code>validate</code> ( <i>optional</i> )	bool	Perform some soft validation on summarized content. This returns high quality summarized content but often at the expense of length. Defaults to <code>true</code>
<code>summary_limit</code> ( <i>optional</i> )	int	A character limit that specifies a target/max summary length. There is a minimum limit of 140 characters, and a default target of 420 characters

### 7.3.3 Example Request

#### POST Request

```

curl -X POST -u username:password --data-binary @nlp-summarize-input.json \
--header "Content-type: application/json" \
https://api.econtext.com/v2/nlp/summarize

```

The contents of `nlp-summarize-input.json`:



```

{
  "topn": 1,
  "validate": true,
  "summary_limit": 300,
  "input_type": "text",
  "input": "Read: Liz Cheney's opening statement before the January 6 select
↳committee - CNNPolitics.\npolitics, Read: Liz Cheney's opening statement before the
↳January 6 select committee - CNNPolitics.\nRep. Liz Cheney, one of two Republicans
↳on the new select committee investigating the January 6 insurrection, said Tuesday
↳that the panel ne.\nRead: Rep. Liz Cheney's opening statement before the January 6
↳select committee.\nRead her opening statement, as prepared for delivery,
↳distributed by her office:.\nThank you very much, Chairman Thompson. Thank you to
↳all of my colleagues on this committee, and thank you to each of the witnesses
↳appearing before us today. It is because of you -- you held the line, you defended
↳all of us, you defended the Capitol, and you defended the Constitution and our
↳Republic, and every American owes you our undying gratitude. Every American, I hope,
↳will be able to hear your testimony today and will watch the videos. The videos
↳show the unbelievable violence and the inexcusable and intolerable cruelty that you
↳all faced, and people need to know the truth.\nI want to begin by reflecting
↳briefly on the investigation that we are launching today. Every one of us here on
↳the dais voted for and would have preferred that these matters be investigated by
↳an independent non-partisan commission, composed of five prominent Americans
↳selected by each party, and modeled on the 9/11 Commission. Although such a
↳commission was opposed by my own leadership in the House, it overwhelmingly passed
↳with the support of 35 Republican members, it was defeated by Republicans in the
↳Senate. And that leaves us where we are today.\nWe cannot leave the violence of
↳January 6th -- and its causes -- uninvestigated. The American people deserve the
↳full and open testimony of every person with knowledge of the planning and
↳preparation for January 6th. We must know what happened here at the Capitol. We
↳must also know what happened every minute of that day in the White House -- every
↳phone call, every conversation, every meeting leading up to, during, and after the
↳attack. Honorable men and women have an obligation to step forward. If those
↳responsible are not held accountable, and if Congress does not act responsibly,
↳this will remain a cancer on our Constitutional Republic, undermining the peaceful
↳transfer of power at the heart of our democratic system. We will face the threat of
↳more violence in the months to come, and another January 6th every four years.\nI
↳have been a conservative Republican since 1984 when I first voted for Ronald Reagan.
↳I have disagreed sharply on policy and politics with almost every Democratic
↳member of this committee. But, in the end, we are one nation under God. The Framers
↳of our Constitution recognized the danger of the vicious factionalism of partisan
↳politics -- and they knew that our daily arguments could become so fierce that we
↳might lose track of our most important obligation -- to defend the rule of law and
↳the freedom of all Americans. That is why our Framers compelled each of us to swear
↳a solemn oath to preserve and protect the Constitution. When a threat to our
↳constitutional order arises, as it has here, we are obligated to rise above
↳politics. This investigation must be non-partisan.\nWhile we begin today by taking
↳the public testimony of these four heroic men, we must also realize that the task
↳of this committee will require persistence. We must issue and enforce subpoenas
↳promptly. We must get to objective truth. We must overcome the many efforts we are
↳already seeing to cover up and obscure the facts.\nOn January 6th and in the days
↳thereafter, almost all members of my party recognized the events of that day for
↳what they actually were. One Republican, for example, said: \"What is happening at
↳the U.S. Capitol right now is unacceptable and un-American. Those participating in
↳lawlessness and violence must be arrested and prosecuted to the fullest extent of
↳the law.\" No Member of Congress should now attempt to defend the indefensible,
↳obstruct this investigation, or whitewash what happened that day. We must act with
↳honor and duty, and in the interest of our nation.\nAmerica is great because we
↳preserve our democratic institutions at all costs. Until January 6th, we were proof
↳positive for the world that a nation conceived in liberty could long endure. But
↳now, January 6th threatens our most sacred legacy. The question for every one of us

```

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**7.3. POST nip/summarize** **35**

↳who serves in Congress, for every elected official across this great nation, indeed  
↳for every American is this: Will we adhere to the rule of law? Will we respect the  
↳rulings of our courts? Will we preserve the peaceful transition of power? Or will  
↳we be so blinded by partisanship that we throw away the miracle of America? Do we  
↳hate our political adversaries more than we love our country and revere our

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}

## POST Response

```
{
  "econtext": {
    "nlp": {
      "input_text": "Read: Liz Cheney's opening statement before the January 6
↪select committee - CNNPolitics.\npolitics, Read: Liz Cheney's opening statement
↪before the January 6 select committee - CNNPolitics.\nRep. Liz Cheney, one of two
↪Republicans on the new select committee investigating the January 6 insurrection,
↪said Tuesday that the panel ne.\nRead: Rep. Liz Cheney's opening statement before
↪the January 6 select committee.\nRead her opening statement, as prepared for
↪delivery, distributed by her office:.\nThank you very much, Chairman Thompson.
↪Thank you to all of my colleagues on this committee, and thank you to each of the
↪witnesses appearing before us today. It is because of you -- you held the line, you
↪defended all of us, you defended the Capitol, and you defended the Constitution and
↪our Republic, and every American owes you our undying gratitude. Every American, I
↪hope, will be able to hear your testimony today and will watch the videos. The
↪videos show the unbelievable violence and the inexcusable and intolerable cruelty
↪that you all faced, and people need to know the truth.\nI want to begin by
↪reflecting briefly on the investigation that we are launching today. Every one of
↪us here on the dais voted for and would have preferred that these matters be
↪investigated by an independent non-partisan commission, composed of five prominent
↪Americans selected by each party, and modeled on the 9/11 Commission. Although such
↪a commission was opposed by my own leadership in the House, it overwhelmingly
↪passed with the support of 35 Republican members, it was defeated by Republicans in
↪the Senate. And that leaves us where we are today.\nWe cannot leave the violence of
↪January 6th -- and its causes -- uninvestigated. The American people deserve the
↪full and open testimony of every person with knowledge of the planning and
↪preparation for January 6th. We must know what happened here at the Capitol. We
↪must also know what happened every minute of that day in the White House -- every
↪phone call, every conversation, every meeting leading up to, during, and after the
↪attack. Honorable men and women have an obligation to step forward. If those
↪responsible are not held accountable, and if Congress does not act responsibly,
↪this will remain a cancer on our Constitutional Republic, undermining the peaceful
↪transfer of power at the heart of our democratic system. We will face the threat of
↪more violence in the months to come, and another January 6th every four years.\nI
↪have been a conservative Republican since 1984 when I first voted for Ronald Reagan.
↪I have disagreed sharply on policy and politics with almost every Democratic
↪member of this committee. But, in the end, we are one nation under God. The Framers
↪of our Constitution recognized the danger of the vicious factionalism of partisan
↪politics -- and they knew that our daily arguments could become so fierce that we
↪might lose track of our most important obligation -- to defend the rule of law and
↪the freedom of all Americans. That is why our Framers compelled each of us to swear
↪a solemn oath to preserve and protect the Constitution. When a threat to our
↪constitutional order arises, as it has here, we are obligated to rise above
↪politics. This investigation must be non-partisan.\nWhile we begin today by taking
↪the public testimony of these four heroic men, we must also realize that the task
↪of this committee will require persistence. We must issue and enforce subpoenas
↪promptly. We must get to objective truth. We must overcome the many efforts we are
↪already seeing to cover up and obscure the facts.\nOn January 6th and in the days
↪thereafter, almost all members of my party recognized the events of that day for
↪what they actually were. One Republican, for example, said: \"What is happening at
↪the U.S. Capitol right now is unacceptable and un-American. Those participating in
↪lawlessness and violence must be arrested and prosecuted to the fullest(continues on next page)
↪the law.\" No Member of Congress should now attempt to defend the indefensible,
↪obstruct this investigation, or whitewash what happened that day. We must act with
```

```
↪preserve our democratic institutions at all costs. Until January 6th, we were proof
↪positive for the world that a nation conceived in liberty could long endure. But
↪now, January 6th threatens our most sacred legacy. The question for every one of us
↪who serves in Congress -- for every elected official across this great nation, indeed
```

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```
    "summary": "Rep. Liz Cheney is one of two Republicans on the new select_
↳committee investigating the January 6 insurrection. Cheney: \"If those responsible_
↳are not held accountable, this will remain a cancer on our Constitutional Republic,_
↳undermining the peaceful transfer of power at the heart of our democratic system\".
↳",
    "summary_ratio": 0.12259910093993,
    "categories": {
      "1000708": {
        "id": "f70f9bc1691a0eca821125c45907514a",
        "name": "Government",
        "path": [
          "Government"
        ],
        "idpath": [
          "f70f9bc1691a0eca821125c45907514a"
        ],
        "stats": {
          "social_relevance": 0.0041392803780283,
          "social_idf": 5.5167688445849,
          "commercial_score": null,
          "sentiment": 0.57118526544909
        },
        "facets": [
          [
            "domain",
            "service"
          ]
        ]
      }
    }
  },
  "signature": {
    "resource": "POST /nlp/summarize",
    "status": "200 OK - successful",
    "client_ip": "127.0.0.1"
  }
}
```



### Categories Calls

- *POST categories/categories*
  - *Resource URL*
  - *Parameters*
  - *Example Request*
    - \* *POST Request*
    - \* *POST Response*
- *GET categories/tiers*
  - *Resource URL*
  - *Example Request*
    - \* *GET Request*
    - \* *GET Response*
- *GET categories/map/:keyword*
  - *Resource URL*
  - *Parameters*
  - *Example Request*
    - \* *GET Request*
    - \* *GET Response*
- *GET categories/search/:keyword*
  - *Resource URL*

- *Parameters*
- *Example Request*
  - \* *GET Request*
  - \* *GET Response*

## 8.1 POST categories/categories

Retrieve a dictionary of Category objects and associated overlays given a list of IDs.

### 8.1.1 Resource URL

<https://api.econtext.com/v2/categories/categories>

### 8.1.2 Parameters

### 8.1.3 Example Request

#### POST Request

```
curl -X POST -u username:password --data-binary @categories_list.json_
↳https://api.econtext.com/v2/categories/categories
```

The contents of categories\_list.json

#### POST Response

```
{
  "econtext": {
    "categories": {
      "categories": {
        "ac0fb32ea52f2c1228592ad6598c2cc2": {
          "id": "ac0fb32ea52f2c1228592ad6598c2cc2",
          "name": "Breaking Bad",
          "path": [
            "Arts & Entertainment",
            "Movies & Television",
            "Movie & TV Products",
            "TV",
            "Drama TV Shows",
            "Breaking Bad"
          ],
          "idpath": [
            "0cc9e1516aaa38d4802a2ee5314ac4ab",
            "06b7167107de9cff93e6738da9c044c4",
            "8e4e953b861d4597cb5fae3b7de67ce5",
            "b3728edb10af57dfbd941132f0c932ae",
            "153fd544b9063cfdbe86aaf1b04882b4",
            "ac0fb32ea52f2c1228592ad6598c2cc2"
          ]
        }
      }
    }
  }
}
```

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```

    ],
    "stats": {
      "social_relevance": 4.32244e-5,
      "social_idf": 9.8314479757,
      "commercial_score": 0.3
    },
    "facets": [
      [
        "domain",
        "product"
      ],
      [
        "brand",
        "breaking bad"
      ]
    ]
  },
  "overlay": {
    "ac0fb32ea52f2c1228592ad6598c2cc2": {
      "IAB_v2_2020": [
        [
          647,
          "Television::Drama TV"
        ]
      ]
    }
  },
  "signature": {
    "resource": "POST /categories/categories",
    "status": "200 OK - successful",
    "client_ip": "127.0.0.1"
  }
}

```

## 8.2 GET categories/tiers

Retrieve the top tier Categories from the eContext Taxonomy. The categories returned from this call may be used to specify a branch of the taxonomy that you would like to limit mapping and search to.

### 8.2.1 Resource URL

<https://api.econtext.com/v2/categories/tiers>

### 8.2.2 Example Request

## GET Request

```
curl -X GET -u username:password https://api.econtext.com/v2/categories/tiers
```

## GET Response

```
{
  "econtext": {
    "categories": [
      {
        "id": "719105219f516cdbc3bc846a12df0b44",
        "name": "Adult Content",
        "path": [
          "Adult Content"
        ],
        "idpath": [
          "719105219f516cdbc3bc846a12df0b44"
        ],
        "stats": {
          "social_idf": 296563.6,
          "social_relevance": 0.0000027124
        }
      },
      {
        "id": "922b44e4080760bcd7f30f0a676d3dfd",
        "name": "Apparel",
        "path": [
          "Apparel"
        ],
        "idpath": [
          "922b44e4080760bcd7f30f0a676d3dfd"
        ],
        "stats": {
          "social_idf": 15787.579033579,
          "social_relevance": 0.0000509518
        }
      },
      {
        "id": "0cc9e1516aaa38d4802a2ee5314ac4ab",
        "name": "Arts & Entertainment",
        "path": [
          "Arts & Entertainment"
        ],
        "idpath": [
          "0cc9e1516aaa38d4802a2ee5314ac4ab"
        ],
        "stats": {
          "social_idf": 2143.2770736046,
          "social_relevance": 0.0003753161
        }
      },
      {
        "id": "6cfd0f39559d540094604e7eb3e54098",
        "name": "Beauty",
        "path": [
          "Beauty"
        ]
      }
    ]
  }
}
```

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```

    ],
    "idpath": [
      "6cfd0f39559d540094604e7eb3e54098"
    ],
    "stats": {
      "social_idf": 913.3248365394,
      "social_relevance": 0.0008807451
    }
  },
  {
    "id": "3064c1a4cbbabd7f0ffd45cd40db97ed",
    "name": "Books & Literature",
    "path": [
      "Books & Literature"
    ],
    "idpath": [
      "3064c1a4cbbabd7f0ffd45cd40db97ed"
    ],
    "stats": {
      "social_idf": 17636.444647759,
      "social_relevance": 0.0000456105
    }
  },
  {
    "id": "246045a85ad09438156569ba21b02f5e",
    "name": "Business & Industrial",
    "path": [
      "Business & Industrial"
    ],
    "idpath": [
      "246045a85ad09438156569ba21b02f5e"
    ],
    "stats": {
      "social_idf": 505.1528825996,
      "social_relevance": 0.0015924017
    }
  },
  {
    "id": "f2300bfd81612ac3e8e5c154334057c5",
    "name": "Computers & Electronics",
    "path": [
      "Computers & Electronics"
    ],
    "idpath": [
      "f2300bfd81612ac3e8e5c154334057c5"
    ],
    "stats": {
      "social_idf": 5407.1904628331,
      "social_relevance": 0.000148766
    }
  },
  {
    "id": "27e0bc27298feede36140f281e0dee16",
    "name": "Finance",
    "path": [
      "Finance"
    ],
  },

```

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```
"idpath": [
  "27e0bc27298feede36140f281e0dee16"
],
"stats": {
  "social_idf": 1640.1458351059,
  "social_relevance": 0.0004904481
}
},
{
  "id": "10fedce50b97f7006e71901bcdacc0fc",
  "name": "Food & Drink",
  "path": [
    "Food & Drink"
  ],
  "idpath": [
    "10fedce50b97f7006e71901bcdacc0fc"
  ],
  "stats": {
    "social_idf": 2338.8296529969,
    "social_relevance": 0.0003439354
  }
},
{
  "id": "132a2327ee287cd11be6d6fd6fb2f276",
  "name": "Games & Toys",
  "path": [
    "Games & Toys"
  ],
  "idpath": [
    "132a2327ee287cd11be6d6fd6fb2f276"
  ],
  "stats": {
    "social_idf": 2772.4196749605,
    "social_relevance": 0.0002901459
  }
},
{
  "id": "e205ca26092d0fdb0b7a49354a3fe318",
  "name": "Government",
  "path": [
    "Government"
  ],
  "idpath": [
    "e205ca26092d0fdb0b7a49354a3fe318"
  ],
  "stats": {
    "social_idf": 1167.0077491222,
    "social_relevance": 0.0006892896
  }
},
{
  "id": "65a41262de6b6fa72bebc5fb7b84d4dd",
  "name": "Health",
  "path": [
    "Health"
  ],
  "idpath": [
```

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```

    "65a41262de6b6fa72bebc5fb7b84d4dd"
  ],
  "stats": {
    "social_idf": 563.5454013916,
    "social_relevance": 0.0014274029
  }
},
{
  "id": "04265b097615aa97178e3e06d933a31a",
  "name": "Hobbies & Leisure",
  "path": [
    "Hobbies & Leisure"
  ],
  "idpath": [
    "04265b097615aa97178e3e06d933a31a"
  ],
  "stats": {
    "social_idf": 8730.3596014493,
    "social_relevance": 0.000092139
  }
},
{
  "id": "0b1cfd1a5102a974a372e9bc3cffffb35",
  "name": "Home & Garden",
  "path": [
    "Home & Garden"
  ],
  "idpath": [
    "0b1cfd1a5102a974a372e9bc3cffffb35"
  ],
  "stats": {
    "social_idf": 10614.886563877,
    "social_relevance": 0.000075781
  }
},
{
  "id": "be42e02a03e419e7d31db6b54ef84913",
  "name": "Jobs & Education",
  "path": [
    "Jobs & Education"
  ],
  "idpath": [
    "be42e02a03e419e7d31db6b54ef84913"
  ],
  "stats": {
    "social_idf": 917934.95238095,
    "social_relevance": 0.000001
  }
},
{
  "id": "9449388ba0686b2b73d88f6801ae43d3",
  "name": "Law & Legal",
  "path": [
    "Law & Legal"
  ],
  "idpath": [
    "9449388ba0686b2b73d88f6801ae43d3"
  ]
}

```

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```
    ],
    "stats": {
      "social_idf": 2320.5289514867,
      "social_relevance": 0.0003466478
    }
  },
  {
    "id": "bcfb236bcfc3b0f4f03a3cfeed7253a7",
    "name": "People & Society",
    "path": [
      "People & Society"
    ],
    "idpath": [
      "bcfb236bcfc3b0f4f03a3cfeed7253a7"
    ],
    "stats": {
      "social_idf": 2780.8185227928,
      "social_relevance": 0.0002892696
    }
  },
  {
    "id": "0bd59f073e8d6969764d60d60c8e472a",
    "name": "Pets & Animals",
    "path": [
      "Pets & Animals"
    ],
    "idpath": [
      "0bd59f073e8d6969764d60d60c8e472a"
    ],
    "stats": {
      "social_idf": 154213.072,
      "social_relevance": 0.0000052162
    }
  },
  {
    "id": "1a25b3de350ce8b90adf2488940ac282",
    "name": "Real Estate",
    "path": [
      "Real Estate"
    ],
    "idpath": [
      "1a25b3de350ce8b90adf2488940ac282"
    ],
    "stats": {
      "social_idf": 2770.825643237,
      "social_relevance": 0.0002903129
    }
  },
  {
    "id": "97a2cc1e4f6df353e6eab12cfe9782ef",
    "name": "Sciences & Humanities",
    "path": [
      "Sciences & Humanities"
    ],
    "idpath": [
      "97a2cc1e4f6df353e6eab12cfe9782ef"
    ],
  },
```

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```

    "stats": {
      "social_idf": 481915.85,
      "social_relevance": 0.0000016692
    }
  },
  {
    "id": "62d92a4437331aae79cd0181b8e3e48d",
    "name": "Shopping",
    "path": [
      "Shopping"
    ],
    "idpath": [
      "62d92a4437331aae79cd0181b8e3e48d"
    ],
    "stats": {
      "social_idf": null,
      "social_relevance": null
    }
  },
  {
    "id": "b00fac5f30dc8dbb660c8d08fe66f487",
    "name": "Sports",
    "path": [
      "Sports"
    ],
    "idpath": [
      "b00fac5f30dc8dbb660c8d08fe66f487"
    ],
    "stats": {
      "social_idf": 976.9719730374,
      "social_relevance": 0.0008233668
    }
  },
  {
    "id": "71d23bae99aff67ee839c60c0c8ba179",
    "name": "Travel",
    "path": [
      "Travel"
    ],
    "idpath": [
      "71d23bae99aff67ee839c60c0c8ba179"
    ],
    "stats": {
      "social_idf": 777.0329732344,
      "social_relevance": 0.001035228
    }
  },
  {
    "id": "8e80758bbe284a4a02ffaad4636f21b2",
    "name": "Vehicles",
    "path": [
      "Vehicles"
    ],
    "idpath": [
      "8e80758bbe284a4a02ffaad4636f21b2"
    ],
    "stats": {

```

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```

        "social_idf": 3559.8585410896,
        "social_relevance": 0.0002259658
    },
    {
        "id": "dec756dcf0caf002c0b704a1717e1d63",
        "name": "Weapons",
        "path": [
            "Weapons"
        ],
        "idpath": [
            "dec756dcf0caf002c0b704a1717e1d63"
        ],
        "stats": {
            "social_idf": 4606.1252090801,
            "social_relevance": 0.0001746384
        }
    }
],
"signature": {
    "resource": "GET /categories/tiers",
    "status": "200 OK - successful",
    "client_ip": "127.0.0.1"
}
}
}

```

## 8.3 GET categories/map/:keyword

Use the eContext Taxonomy to return a single best matching Category for the keyword submitted.

### 8.3.1 Resource URL

<https://api.econtext.com/v2/categories/map/:keyword>

### 8.3.2 Parameters

Parameter	Type	Description
keyword <i>(required)</i>	string	The keyword to provide a best match Category for. This should be URL encoded. Example Value: <code>chicago+hotels</code> .
branches <i>(optional)</i>	string	A comma-separated list of category/tier ids used to limit classification results. Example Value: <code>922b44e4080760bcd7f30f0a676d3dfd</code>

### 8.3.3 Example Request

## GET Request

```
curl -X GET -u username:password https://api.econtext.com/v2/categories/map/breaking+bad+tshirt?branches=922b44e4080760bcd7f30f0a676d3dfd
```

## GET Response

```
{
  "econtext": {
    "categories": [
      {
        "id": "99d39893587ca299b70c4e9cd725c383",
        "name": "T-Shirts",
        "path": [
          "Apparel",
          "Clothing",
          "Shirts & Tops",
          "Shirts & Tops [No Demographic Specified]",
          "Casual Shirts & Tops",
          "T-Shirts"
        ],
        "idpath": [
          "922b44e4080760bcd7f30f0a676d3dfd",
          "3f58d0f311043889059146c7dc765bd3",
          "8f0ea90fa739b596619a75cbfd50ba47",
          "0dac4f87992e3197f964a30aa670dd76",
          "13d1828fbb80571690be3ef2c7971a7b",
          "99d39893587ca299b70c4e9cd725c383"
        ],
        "stats": {
          "social_relevance": 0.0005984496,
          "social_idf": 1349.3014255217
        }
      }
    ],
    "signature": {
      "resource": "GET /categories/map/:keyword",
      "status": "200 OK - successful",
      "client_ip": "54.243.176.220"
    }
  }
}
```

## 8.4 GET categories/search/:keyword

Sometimes you might want to retrieve a set of possible Categories from the provided keyword rather than mapping against the rules of the eContext Taxonomy. This method of matching uses a set of over 600,000,000 pre-classified keywords to identify probable Category matches for the particular keyword you are interested in, and includes a confidence score for each category.

### 8.4.1 Resource URL

<https://api.econtext.com/v2/categories/search/:keyword>

## 8.4.2 Parameters

Parameter	Type	Description
keyword <i>(required)</i>	string	The keyword to match against the eContext Keyword Dataset for possible categorization. This value should be URL encoded. Example Value: <code>chicago+hotels</code> .
limit <i>(optional)</i>	integer	The number of Category objects to return in the result set. The max number of Categories is 10 and the default is 5. Example Value: <code>3</code>
branches <i>(optional)</i>	string	A comma-separated list of category/tier ids used to limit classification results. Example Value: <code>922b44e4080760bcd7f30f0a676d3dfd</code>

## 8.4.3 Example Request

### GET Request

```
curl -X GET -u username:password https://api.econtext.com/v2/categories/search/chicago+hotels?limit=3
```

### GET Response

```
{
  "econtext": {
    "categories": [
      {
        "id": "218f5840b5c92395b3654a92035016fd",
        "name": "Hotels in Chicago, Illinois",
        "path": [
          "Travel",
          "Travel Accommodations",
          "Hotels & Motels",
          "North America Hotels",
          "Hotels in the US",
          "Hotels in Illinois",
          "Hotels in Chicago, Illinois"
        ],
        "idpath": [
          "71d23bae99aff67ee839c60c0c8ba179",
          "c41e1ed41cebef0eb241fd192c0e604e",
          "c915f112a5632b280c894e262828c981",
          "8aa4ecfd7cd7a17dcab56a9a37f610fd",
          "435b6bdfab0bf365e5e6887a1b7b3171",
          "06702a0bf4ff694903c44455487c3e1b",
          "218f5840b5c92395b3654a92035016fd"
        ],
        "stats": {
          "social_idf": 713949.40740741,
          "social_relevance": 0.0000011267
        }
      }
    ],
  },
}
```

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```

    "confidence": 0.87356944379033
  },
  {
    "id": "c915f112a5632b280c894e262828c981",
    "name": "Hotels & Motels",
    "path": [
      "Travel",
      "Travel Accommodations",
      "Hotels & Motels"
    ],
    "idpath": [
      "71d23bae99aff67ee839c60c0c8ba179",
      "c41e1ed41cebef0eb241fd192c0e604e",
      "c915f112a5632b280c894e262828c981"
    ],
    "stats": {
      "social_idf": 1752.8993361826,
      "social_relevance": 0.0004589005
    },
    "confidence": 0.032166909998587
  },
  {
    "id": "ccae5eac4fd6066ca54b80e2d7538904",
    "name": "Hotel Discounts",
    "path": [
      "Travel",
      "Travel Accommodations",
      "Hotels & Motels",
      "Hotels & Motels [No Location Specified]",
      "Hotels & Motels [No Feature Specified]",
      "Hotel Rates",
      "Hotel Deals",
      "Hotel Discounts"
    ],
    "idpath": [
      "71d23bae99aff67ee839c60c0c8ba179",
      "c41e1ed41cebef0eb241fd192c0e604e",
      "c915f112a5632b280c894e262828c981",
      "9ed0129c3d0fe8e16471e4e2af8e7200",
      "a6a8e75c2d32b800bbf7616d802fb4c8",
      "417588c97968aa8aac068f636824479c",
      "c46743267fe34858a80f2bd11df25a",
      "ccae5eac4fd6066ca54b80e2d7538904"
    ],
    "stats": {
      "social_idf": 92232.698564593,
      "social_relevance": 0.0000087215
    },
    "confidence": 0.020746008571563
  }
]
"signature": {
  "resource": "GET /categories/search/:keyword",
  "status": "200 OK - successful",
  "client_ip": "127.0.0.1"
}
}

```

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```
}
```

The eContext API provides classification services for several different types of content.

### 9.1 Classify HTML

#### Classify HTML Calls

- *POST classify/html*
  - *Resource URL*
  - *Parameters*
  - *Return*
  - *Example Request*
    - \* *POST Request*
    - \* *POST Response*

#### 9.1.1 POST classify/html

Classify the submitted HTML and return scored categories and keywords.

##### Resource URL

<https://api.econtext.com/v2/classify/html>

## Parameters

Parameter	Type	Description
html ( <i>required</i> )	string	HTML content to be classified.
classification_type ( <i>optional</i> )	integer	Select the classification method: 1 for rule-based, 2 for model-based, or 0 for a hybrid rule-based + model-based (defaults to 0)
ml_threshold ( <i>optional</i> )	float	Specify a confidence threshold for accepting an ML prediction. A lower value increases recall at the expense of precision (defaults to 0.75)
entities ( <i>optional</i> )	boolean	Perform Named Entity Recognition (NER) on the content submitted (defaults to <code>false</code> )
sentiment ( <i>optional</i> )	boolean	Perform sentiment analysis on the content submitted (defaults to <code>false</code> )
taxonomy_timestamp ( <i>optional</i> )	integer	A Unix timestamp instructing the classifier to use categories from the eContext Taxonomy that existed at this point in time. This will allow recently deleted categories to remain and hides newly created categories
dataset_id ( <i>optional</i> )	string	A <i>Custom Taxonomies</i> id to use in lieu of the default eContext Taxonomy
add_last_node ( <i>optional</i> )	bool	Include the last category node, or leave at the parent category
classify_limit ( <i>optional</i> )	integer	Limit the number of categories that may be returned per post
classify_timeout ( <i>optional</i> )	float	The number of seconds to spend on a classification task

## Return

The result set includes `scored_categories` and `scored_keywords` as well as a `categories` dictionary. The `scored_keywords` object contains a list of high-value phrases that eContext was able to pull out of the submitted text as well as associated scores for each. The `scored_categories` object contains a list of `category_id` and `score` objects where the `category_id` corresponds to an item in the `categories` dictionary. Higher values indicate a higher score.

## Example Request

### POST Request

```
curl -X POST -u username:password --data-binary @classify-html-input.json \
--header "Content-type: application/json" \
https://api.econtext.com/v2/classify/html
```

The contents of `classify-html-input.json`:

```
{
  "html": "<!DOCTYPE html><html><head><title>Microsoft Stores offer $100 Xbox One
↪discount
  if you trade in a PS3</title></head><body><h1>Microsoft Stores offer $100 Xbox
↪One discount
  if you trade in a PS3</h1><p>Currently there's one advantage the PS4 has over the
↪Xbox One
  that Microsoft can do little about: the price difference.</p><p>Sure, they
  could cut the price of the Xbox One by $100 and match the PS4 at $399, but then
↪Microsoft
```

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```

would be making a big loss on every console sold. However, they have come up with
↪a way to
  offer you an Xbox One for $399.</p><p>From now until March 2, Microsoft Stores
↪will offer
  you $100 of store credit if you trade in a PS3, Xbox 360 S, or Xbox 360 E. Of
↪course,
  there's a number of terms and conditions in order to get that $100. The console
↪must be in
  fully working order and have its original accessories including the power supply.
↪You will
  also only be guaranteed to get $100 for your old machine if you agree to purchase
↪an Xbox
  One at the same time.</p></body></html>"
}

```

## POST Response

```

{
  "econtext": {
    "classify": {
      "title": "Microsoft Stores offer $100 Xbox One discount if you trade in a
↪PS3",
      "scored_categories": [
        {
          "category_id": "f84fec03747f686a400004a0c0c131f",
          "score": 0.2287166454892
        },
        {
          "category_id": "38ad1efe89be1d7422cfce5636156cad",
          "score": 0.16518424396442
        },
        {
          "category_id": "269e2e578e59d5730412dd0e1137bfd4",
          "score": 0.1143583227446
        },
        {
          "category_id": "7c11e7aa595539b4801d8e7621c20840",
          "score": 0.1143583227446
        },
        {
          "category_id": "fd84446c4932d31e5f447e94d7f2da8f",
          "score": 0.09148665819568
        },
        {
          "category_id": "367f5ea7ca1e5c3ff10b077d9a65eb42",
          "score": 0.082592121982211
        },
        {
          "category_id": "fb842bf3a7941336e6add468d3906ff4",
          "score": 0.050825921219822
        }
      ],
      "scored_keywords": [
        {

```

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```

        "keyword": "microsoft stores",
        "score": 0.2287166454892
    },
    {
        "keyword": "xbox one",
        "score": 0.16518424396442
    },
    {
        "keyword": "microsoft",
        "score": 0.1143583227446
    },
    {
        "keyword": "ps3",
        "score": 0.1143583227446
    },
    {
        "keyword": "discount",
        "score": 0.09148665819568
    },
    {
        "keyword": "xbox",
        "score": 0.082592121982211
    },
    {
        "keyword": "ps4",
        "score": 0.050825921219822
    }
],
"categories": {
    "f84fecdd03747f686a400004a0c0c131f": {
        "id": "f84fecdd03747f686a400004a0c0c131f",
        "name": "Microsoft Stores",
        "path": [
            "Computers \u0026amp; Electronics",
            "General Electronics",
            "General Electronics Retailers [List]",
            "Microsoft Stores"
        ],
        "idpath": [
            "bdc03d860e5f33c08146faa43487c1bd",
            "5d246a5262680d7e5ab8239a56425730",
            "adf37548583dd2d1266e915980c09f1f",
            "f84fecdd03747f686a400004a0c0c131f"
        ],
        "stats": {
            "social_relevance": 2.1834e-6,
            "social_idf": 12.8158720241
        },
        "facets": []
    },
    "269e2e578e59d5730412dd0e1137bfd4": {
        "id": "269e2e578e59d5730412dd0e1137bfd4",
        "name": "Microsoft",
        "path": [
            "Computers \u0026amp; Electronics",
            "Technology Companies",
            "Microsoft"
        ]
    }
}

```

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```

    ],
    "idpath": [
      "bdc03d860e5f33c08146faa43487c1bd",
      "45d78f5a0c2e0b188bb3931288ca0074",
      "269e2e578e59d5730412dd0e1137bfd4"
    ],
    "stats": {
      "social_relevance": 9.00323e-5,
      "social_idf": 9.0965774811
    },
    "facets": [
      [
        "brand",
        "microsoft"
      ]
    ]
  },
  "38ad1efe89be1d7422cfce5636156cad": {
    "id": "38ad1efe89be1d7422cfce5636156cad",
    "name": "Xbox One",
    "path": [
      "Games \u0026 Toys",
      "Video Games",
      "Video Game Products",
      "Video Game Electronics",
      "Video Game Systems",
      "Microsoft Game Systems",
      "Xbox One"
    ],
    "idpath": [
      "798f51fd6b8d172fa4fd718313c8c4c6",
      "761a66aa4f58df6fdc5151837e392ffa",
      "e85b2a2795db3616a2e4efe77e9763d3",
      "fb6e05a0a6cb6e6e12f984484a95c8bd",
      "281afc76dd2aba143e93fbda5b12cd43",
      "3b372c9f4b17d9bf3daaa696d88bd2cb",
      "38ad1efe89be1d7422cfce5636156cad"
    ],
    "stats": {
      "social_relevance": 8.08493e-5,
      "social_idf": 9.2041595147
    },
    "facets": [
      [
        "domain",
        "product"
      ],
      [
        "brand",
        "microsoft"
      ],
      [
        "product line",
        "xbox one"
      ]
    ]
  },
},

```

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```

"367f5ea7ca1e5c3ff10b077d9a65eb42": {
  "id": "367f5ea7ca1e5c3ff10b077d9a65eb42",
  "name": "Xbox",
  "path": [
    "Games \u0026 Toys",
    "Video Games",
    "Video Game Products",
    "Video Game Electronics",
    "Video Game Systems",
    "Microsoft Game Systems",
    "Xbox"
  ],
  "idpath": [
    "798f51fd6b8d172fa4fd718313c8c4c6",
    "761a66aa4f58df6fdc5151837e392ffa",
    "e85b2a2795db3616a2e4efe77e9763d3",
    "fb6e05a0a6cb6e6e12f984484a95c8bd",
    "281afc76dd2aba143e93fbda5b12cd43",
    "3b372c9f4b17d9bf3daaa696d88bd2cb",
    "367f5ea7ca1e5c3ff10b077d9a65eb42"
  ],
  "stats": {
    "social_relevance": 0.0001794867,
    "social_idf": 8.4066451632
  },
  "facets": [
    [
      "product line",
      "xbox"
    ],
    [
      "domain",
      "product"
    ],
    [
      "brand",
      "microsoft"
    ]
  ]
},
"fd84446c4932d31e5f447e94d7f2da8f": {
  "id": "fd84446c4932d31e5f447e94d7f2da8f",
  "name": "Discounts",
  "path": [
    "Shopping",
    "Shopping Resources",
    "Coupon Websites \u0026 Services",
    "Coupon Services",
    "Coupons \u0026 Promotional Discounts",
    "Discounts"
  ],
  "idpath": [
    "b5993a12bb630473aa1f4f7c924f5cb9",
    "72c561d57874e3163e70f8876b4b88b9",
    "8d82bfef852c143f2caa363514ece6ec",
    "e06400364dee27e6d8ade510564f8f27",
    "987101e47b003440c98a48eb750145ad",
  ]
}

```

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```

        "fd84446c4932d31e5f447e94d7f2da8f"
    ],
    "stats": {
        "social_relevance": 0.0001633682,
        "social_idf": 8.5007396243
    },
    "facets": [
        [
            "domain",
            "service"
        ]
    ]
},
"7c11e7aa595539b4801d8e7621c20840": {
    "id": "7c11e7aa595539b4801d8e7621c20840",
    "name": "PlayStation 3",
    "path": [
        "Games \u0026 Toys",
        "Video Games",
        "Video Game Products",
        "Video Game Electronics",
        "Video Game Systems",
        "Sony Game Systems",
        "PlayStation",
        "PlayStation 3"
    ],
    "idpath": [
        "798f51fd6b8d172fa4fd718313c8c4c6",
        "761a66aa4f58df6fdc5151837e392ffa",
        "e85b2a2795db3616a2e4efe77e9763d3",
        "fb6e05a0a6cb6e6e12f984484a95c8bd",
        "281afc76dd2aba143e93fbda5b12cd43",
        "fc2ef8f2df41f297e63aa06a1992132b",
        "c83189555c0bcf05939ae6b5ad3ac17c",
        "7c11e7aa595539b4801d8e7621c20840"
    ],
    "stats": {
        "social_relevance": 1.25865e-5,
        "social_idf": 11.0641178895
    },
    "facets": [
        [
            "domain",
            "product"
        ],
        [
            "brand",
            "sony"
        ],
        [
            "product line",
            "playstation 3"
        ]
    ]
},
"fb842bf3a7941336e6add468d3906ff4": {
    "id": "fb842bf3a7941336e6add468d3906ff4",

```

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```

    "name": "PlayStation 4",
    "path": [
      "Games \u0026 Toys",
      "Video Games",
      "Video Game Products",
      "Video Game Electronics",
      "Video Game Systems",
      "Sony Game Systems",
      "PlayStation",
      "PlayStation 4"
    ],
    "idpath": [
      "798f51fd6b8d172fa4fd718313c8c4c6",
      "761a66aa4f58df6fdc5151837e392ffa",
      "e85b2a2795db3616a2e4efe77e9763d3",
      "fb6e05a0a6cb6e6e12f984484a95c8bd",
      "281afc76dd2aba143e93fbda5b12cd43",
      "fc2ef8f2df41f297e63aa06a1992132b",
      "c83189555c0bcf05939ae6b5ad3ac17c",
      "fb842bf3a7941336e6add468d3906ff4"
    ],
    "stats": {
      "social_relevance": 0.0005111679,
      "social_idf": 7.3600482699
    },
    "facets": [
      [
        "domain",
        "product"
      ],
      [
        "product line",
        "playstation 4"
      ],
      [
        "brand",
        "sony"
      ]
    ]
  },
  "b92b6f1c-26e1-579c-b2ab-c8d78fa820c7": {
    "id": "b92b6f1c-26e1-579c-b2ab-c8d78fa820c7",
    "name": "Microsoft",
    "path": [
      "Organizations",
      "Microsoft"
    ],
    "idpath": [
      "003469e8-80c6-51da-8ea8-e22db254fb74",
      "b92b6f1c-26e1-579c-b2ab-c8d78fa820c7"
    ],
    "stats": null,
    "facets": null
  }
},
"entities": [
  {

```

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```

        "category_id": "f84fec03747f686a400004a0c0c131f",
        "type": "ORG"
    },
    {
        "category_id": "7c11e7aa595539b4801d8e7621c20840",
        "type": "PRODUCT"
    },
    {
        "category_id": "f84fec03747f686a400004a0c0c131f",
        "type": "ORG"
    },
    {
        "category_id": "7c11e7aa595539b4801d8e7621c20840",
        "type": "PRODUCT"
    },
    {
        "category_id": "f84fec03747f686a400004a0c0c131f",
        "type": "ORG"
    },
    {
        "category_id": "b92b6f1c-26e1-579c-b2ab-c8d78fa820c7",
        "type": "ORG"
    }
],
"sentiment": 0.6422,
"chars": 326,
"overlay": {
    "f84fec03747f686a400004a0c0c131f": {
        "IAB_v2.0_2018": [
            [
                [
                    "632",
                    "Technology \u0026 Computing::Consumer Electronics"
                ],
                [
                    "596",
                    "Technology \u0026 Computing"
                ]
            ]
        ]
    },
    "269e2e578e59d5730412dd0e1137bfd4": {
        "IAB_v2.0_2018": [
            [
                [
                    "632",
                    "Technology \u0026 Computing::Consumer Electronics"
                ],
                [
                    "596",
                    "Technology \u0026 Computing"
                ]
            ]
        ]
    },
    "38ad1efe89be1d7422cfce5636156cad": {
        "IAB_v2.0_2018": [

```

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```

    [
      [
        "239",
        "Hobbies \u0026 Interests"
      ],
      [
        "269",
        "Hobbies \u0026 Interests::Games and Puzzles"
      ]
    ],
    [
      [
        "680",
        "Video Gaming"
      ]
    ],
    [
      [
        "681",
        "Video Gaming::Console Games"
      ]
    ]
  ],
  },
  "367f5ea7ca1e5c3ff10b077d9a65eb42": {
    "IAB_v2.0_2018": [
      [
        [
          "239",
          "Hobbies \u0026 Interests"
        ],
        [
          "269",
          "Hobbies \u0026 Interests::Games and Puzzles"
        ]
      ],
      [
        [
          "680",
          "Video Gaming"
        ]
      ],
      [
        [
          "681",
          "Video Gaming::Console Games"
        ]
      ]
    ]
  },
  "fd84446c4932d31e5f447e94d7f2da8f": {
    "IAB_v2.0_2018": [
      [
        [
          "473",
          "Shopping"
        ]
      ]
    ]
  }
}

```

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```

    ],
    [
      [
        "474",
        "Shopping::Coupons and Discounts"
      ]
    ]
  ],
  },
  "7c11e7aa595539b4801d8e7621c20840": {
    "IAB_v2.0_2018": [
      [
        [
          "239",
          "Hobbies \u0026 Interests"
        ],
        [
          "269",
          "Hobbies \u0026 Interests::Games and Puzzles"
        ]
      ],
      [
        [
          "680",
          "Video Gaming"
        ]
      ],
      [
        [
          "681",
          "Video Gaming::Console Games"
        ]
      ]
    ]
  },
  "fb842bf3a7941336e6add468d3906ff4": {
    "IAB_v2.0_2018": [
      [
        [
          "239",
          "Hobbies \u0026 Interests"
        ],
        [
          "269",
          "Hobbies \u0026 Interests::Games and Puzzles"
        ]
      ],
      [
        [
          "680",
          "Video Gaming"
        ]
      ],
      [
        [
          "681",
          "Video Gaming::Console Games"
        ]
      ]
    ]
  }
}

```

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```
        ]
      ]
    },
    "b92b6f1c-26e1-579c-b2ab-c8d78fa820c7": {
      "IAB_v2.0_2018": []
    }
  },
  "signature": {
    "resource": "POST \\/classify\\/:type\\/:result_id",
    "status": "200 OK - successful",
    "client_ip": "209.41.117.158"
  }
}
```

## 9.2 Classify Keywords

### Classify Keywords Calls

- *POST classify/keywords*
  - *Resource URL*
  - *Parameters*
  - *Return*
  - *Example Request*
    - \* *POST Request*
    - \* *POST Response*

### 9.2.1 POST classify/keywords

Classify a list of keywords and return mapped eContext categories.

*There is a hard limit of 1,000 keywords per call.*

#### Resource URL

<https://api.econtext.com/v2/classify/keywords>

## Parameters

Parameter	Type	Description
keywords <i>(required)</i>	array	A list of keyword strings to process (no more than 1,000).
classification_type <i>(optional)</i>	integer	Select the classification method: 1 for rule-based, 2 for model-based, or 0 for a hybrid rule-based + model-based (defaults to 0)
ml_threshold <i>(optional)</i>	float	Specify a confidence threshold for accepting an ML prediction. A lower value increases recall at the expense of precision (defaults to 0.75)
flags <i>(optional)</i>	boolean	Provide <i>Object Flags</i> to help filter out certain content categories including adult, firearms, gambling, etc (defaults to <code>false</code> )
branches <i>(optional)</i>	array	A set of eContext category ids. Any classification outside the section/s of the hierarchy described by this set will be removed from the response.
entities <i>(optional)</i>	boolean	Perform Named Entity Recognition (NER) on the content submitted (defaults to <code>false</code> )
taxonomy_timestamp <i>(optional)</i>	integer	A Unix timestamp instructing the classifier to use categories from the eContext Taxonomy that existed at this point in time. This will allow recently deleted categories to remain and hides newly created categories
dataset_id <i>(optional)</i>	string	A <i>Custom Taxonomies</i> id to use in lieu of the default eContext Taxonomy
add_last_node <i>(optional)</i>	bool	Include the last category node, or leave at the parent category
classify_limit <i>(optional)</i>	integer	Limit the number of categories that may be returned per post
classify_timeout <i>(optional)</i>	float	The number of seconds to spend on a classification task

## Return

The result set includes a `results` key which provides a list of category id keys and associated data including *Object Flags*, if requested and found. The results in this set are in the same order as the keyword list submitted in the POST call.

## Example Request

### POST Request

```
curl -X POST -u username:password --data-binary @classify-keywords-input.json \
  --header "Content-type: application/json" \
  https://api.econtext.com/v2/classify/keywords
```

The contents of `classify-keywords-input.json`:

```
{
  "keywords": [
    "chicago cubs win world series",
    "chicago bears",
    "chicago museums"
  ]
}
```

## POST Response

```

{
  "econtext": {
    "classify": {
      "results": [
        {
          "flags": [],
          "category_id": "f807a71b4e0687cdaeb24afaaa725781"
        },
        {
          "flags": [],
          "category_id": "85edc49558d9373a4a5bcfc6eb0bac90"
        },
        {
          "flags": [],
          "category_id": "ab4a592bf3b0724f7955734270df0044"
        }
      ],
      "mappings": [
        "f807a71b4e0687cdaeb24afaaa725781",
        "85edc49558d9373a4a5bcfc6eb0bac90",
        "ab4a592bf3b0724f7955734270df0044"
      ],
      "categories": {
        "85edc49558d9373a4a5bcfc6eb0bac90": {
          "id": "85edc49558d9373a4a5bcfc6eb0bac90",
          "name": "Chicago Bears",
          "path": [
            "Sports",
            "Team Sports",
            "Football",
            "Football Leagues & Teams",
            "Professional Football Leagues & Teams",
            "NFL",
            "National Football Conference",
            "National Football Conference - North Division",
            "Chicago Bears"
          ],
          "idpath": [
            "b00fac5f30dc8dbb660c8d08fe66f487",
            "97e2d582fd4e9fe6c9ca51128222e55f",
            "1d86d6fea65150be10232959abc02574",
            "9398300d477069715ad4682b293fb087",
            "04455c6d36d1056a7be0b231e861c0c5",
            "f3fafa6ce413cb4e87975d12457ddb9a1",
            "4f2d7f778d65a60d35cc53fff475e84f",
            "7680bb6c2b3e6babe7bfcc7c44fd752b",
            "85edc49558d9373a4a5bcfc6eb0bac90"
          ],
          "stats": {
            "social_relevance": 0.0000145741,
            "social_idf": 10.89641527996
          }
        },
        "ab4a592bf3b0724f7955734270df0044": {
          "id": "ab4a592bf3b0724f7955734270df0044",

```

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```

    "name": "Museums",
    "path": [
      "Travel",
      "Sightseeing Tours & Tourist Attractions",
      "Tourist Attractions",
      "Arts & Culture Attractions",
      "Museums"
    ],
    "idpath": [
      "71d23bae99aff67ee839c60c0c8ba179",
      "464464e0888a968cc968fa732e173502",
      "38d7f7961dc84f1c28b49c9c0f7864c6",
      "37a81c7685508c8ea16cafeebc81eab3",
      "ab4a592bf3b0724f7955734270df0044"
    ],
    "stats": {
      "social_relevance": 0.0001311244,
      "social_idf": 8.6995146942028
    }
  },
  "f807a71b4e0687cdaeb24afaaa725781": {
    "id": "f807a71b4e0687cdaeb24afaaa725781",
    "name": "Chicago Cubs",
    "path": [
      "Sports",
      "Team Sports",
      "Baseball & Softball",
      "Baseball & Softball Leagues & Teams",
      "Baseball Leagues & Teams",
      "MLB",
      "National League",
      "National League Central",
      "Chicago Cubs"
    ],
    "idpath": [
      "b00fac5f30dc8dbb660c8d08fe66f487",
      "97e2d582fd4e9fe6c9ca51128222e55f",
      "c7ba1574765e1e52284f7c741eda8cb2",
      "0e549b37faa378d09c7eb2933c58d5d0",
      "eb4500849649483fe92110c60fa23305",
      "1e230ea842e7351f0b56386a9c91580c",
      "395270339c7feb83b22fa70c92d0461",
      "67f178964c2e14f125cb6677ab3f7fe7",
      "f807a71b4e0687cdaeb24afaaa725781"
    ],
    "stats": {
      "social_relevance": 0.0000496709,
      "social_idf": 9.6702417656539
    }
  }
},
"overlay": [],
"signature": {
  "resource": "GET /classify/:type/:result_id",
  "status": "200 OK - successful",
  "client_ip": "127.0.0.1"
}

```

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```
}  
}  
}
```

## 9.3 Classify Social

### Classify Social Calls

- *POST classify/social*
  - *Resource URL*
  - *Parameters*
  - *Return*
  - *Example Request*
    - \* *POST Request*
    - \* *POST Response*

### 9.3.1 POST classify/social

Classify a list of social posts and return scored categories and keywords.

*There is a hard limit of 1,000 posts per call.*

#### Resource URL

<https://api.econtext.com/v2/classify/social>

## Parameters

Parameter	Type	Description
<code>social</code> ( <i>required</i> )	array	A list (no more than 1,000 items) of strings.
<code>classification_type</code> ( <i>optional</i> )	integer	Select the classification method: 1 for rule-based, 2 for model-based, or 0 for a hybrid rule-based + model-based (defaults to 1)
<code>ml_threshold</code> ( <i>optional</i> )	float	Specify a confidence threshold for accepting an ML prediction. A lower value increases recall at the expense of precision (defaults to 0.75)
<code>flags</code> ( <i>optional</i> )	boolean	Provide <i>Object Flags</i> to help filter out certain content categories including adult, firearms, gambling, etc (defaults to <code>false</code> )
<code>entities</code> ( <i>optional</i> )	boolean	Perform Named Entity Recognition (NER) on the content submitted (defaults to <code>false</code> )
<code>sentiment</code> ( <i>optional</i> )	boolean	Perform sentiment analysis on the content submitted (defaults to <code>false</code> )
<code>taxonomy_timestamp</code> ( <i>optional</i> )	integer	A Unix timestamp instructing the classifier to use categories from the eContext Taxonomy that existed at this point in time. This will allow recently deleted categories to remain and hides newly created categories
<code>dataset_id</code> ( <i>optional</i> )	string	A <i>Custom Taxonomies</i> id to use in lieu of the default eContext Taxonomy
<code>add_last_node</code> ( <i>optional</i> )	bool	Include the last category node, or leave at the parent category
<code>classify_limit</code> ( <i>optional</i> )	integer	Limit the number of categories that may be returned per post
<code>classify_timeout</code> ( <i>optional</i> )	float	The number of seconds to spend on a classification task

## Return

The result set includes `scored_categories` and `scored_keywords` as well as a `categories` dictionary. The `scored_keywords` object contains a list of high-value phrases that eContext was able to pull out of the submitted text as well as associated scores for each. The `scored_categories` object contains a list of `category_id` and `score` objects where the `category_id` corresponds to an item in the `categories` dictionary. Higher values indicate a higher score.

## Example Request

### POST Request

```
curl -X POST -u username:password --data-binary @classify-social-input.json \
--header "Content-type: application/json" \
https://api.econtext.com/v2/classify/social
```

The contents of `classify-social-input.json`:

```
{
  "entities":true,
  "flags":true,
  "sentiment":true,
  "social":[
    "HAPPY PI DAY 3.141592653589793238462643383279502884197169399375...",
    "Happy birthday, MIT! The Institute was founded April 10, 1861 by William_
↳Barton Rogers. #tbt",
```

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```

    "Consciousness is a state of matter",
    "Flying car by @MITAeroAstro spinoff @Terrafugia moves from science fiction_
↳to reality",
    "Amazing Time-Lapse Video Shows Evolution of #Universe Like Never Before",
    "MIT alum @JeopardyJulia now trails only @kenjennings for all-time #Jeopardy!_
↳wins",
    "Happy b-day Nikola #Tesla! Startup @WiTricity is bringing his ideas on_
↳wireless power to life",
    "Seen at the Student Center this afternoon: Tetris hash browns!",
    "Researchers at @eapsMIT say a large earthquake may occur 5 miles from_
↳Istanbul",
    "MIT's robotic cheetah can now run and jump untethered",
    "Spacesuit from @MITAeroAstro shrink-wraps to astronauts' bodies",
    "This social post should be flagged for fireworks and gambling references"
  ]
}

```

## POST Response

```

{
  "econtext": {
    "classify": {
      "results": [
        {
          "scored_categories": [
            {
              "category_id": "392e0d5873231ed423359e4ac5b8d27c",
              "score": 1
            }
          ],
          "scored_keywords": [
            {
              "keyword": "pi day",
              "score": 1
            }
          ],
          "flags": [],
          "entities": [],
          "sentiment": 0.7257
        },
        {
          "scored_categories": [
            {
              "category_id": "e1a54dc1ecf8e9e2e08505f237fb5968",
              "score": 0.5
            },
            {
              "category_id": "351fce59b166d4c9bd4f7e2714a63a44",
              "score": 0.5
            }
          ],
          "scored_keywords": [
            {
              "keyword": "birthday",

```

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```

        "score": 0.5
      },
      {
        "keyword": "tbt",
        "score": 0.5
      }
    ],
    "flags": [],
    "entities": [
      {
        "category_id": "d43dd02c-697b-54be-ac60-a93d6ae39f18",
        "type": "ORG"
      },
      {
        "category_id": "99eb4ac4-974f-5805-b729-ef7a2b944c4d",
        "type": "ORG"
      },
      {
        "category_id": "d68982ca-a1f0-5c73-a435-6b7f427f0a9c",
        "type": "PERSON"
      }
    ],
    "sentiment": 0.9129
  },
  {
    "scored_categories": [],
    "scored_keywords": [],
    "flags": [],
    "entities": [
      {
        "category_id": "723d7837-7b3d-5814-801c-eecl0bfa0ef2",
        "type": "ORG"
      }
    ],
    "sentiment": 0.5637
  },
  {
    "scored_categories": [
      {
        "category_id": "e77926f4edd0802c8ccae902ca3ab481",
        "score": 0.5
      },
      {
        "category_id": "f92c6cc9611ee197c2b747583ae27bb7",
        "score": 0.5
      }
    ],
    "scored_keywords": [
      {
        "keyword": "flying car",
        "score": 0.5
      },
      {
        "keyword": "science fiction",
        "score": 0.5
      }
    ]
  },

```

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```
"flags": [],
"entities": [
  {
    "category_id": "5ac57804-0e72-5fe5-a302-8f3b483d4e30",
    "type": "ORG"
  }
],
"sentiment": 0.5339
},
{
  "scored_categories": [
    {
      "category_id": "c3c123ab122a63e915c59bfb4452f963",
      "score": 1
    }
  ],
  "scored_keywords": [
    {
      "keyword": "time-lapse video",
      "score": 1
    }
  ],
  "flags": [],
  "entities": [
    {
      "category_id": "34458de6-1faf-51a7-8faa-d7b400443fbd",
      "type": "ORG"
    }
  ],
  "sentiment": 0.8255
},
{
  "scored_categories": [
    {
      "category_id": "167552b27327fc95f4dd5ad057660454",
      "score": 1
    }
  ],
  "scored_keywords": [
    {
      "keyword": "@kenjennings",
      "score": 1
    }
  ],
  "flags": [],
  "entities": [
    {
      "category_id": "d43dd02c-697b-54be-ac60-a93d6ae39f18",
      "type": "ORG"
    },
    {
      "category_id": "54b598f0-8b19-5311-8acb-d18bd079fdcc",
      "type": "PRODUCT"
    }
  ],
  "sentiment": 0.7818
},
```

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```

    {
      "scored_categories": [
        {
          "category_id": "351fce59b166d4c9bd4f7e2714a63a44",
          "score": 1
        }
      ],
      "scored_keywords": [
        {
          "keyword": "b-day",
          "score": 1
        }
      ],
      "flags": [],
      "entities": [
        {
          "category_id": "100190ae-3bd4-5c47-bce2-4b314a4bc784",
          "type": "ORG"
        },
        {
          "category_id": "6cf60af7-cc35-5cb0-9096-0b572f746fd1",
          "type": "PERSON"
        }
      ],
      "sentiment": 0.8256
    },
    {
      "scored_categories": [
        {
          "category_id": "b675e7ef766cdf32e0cd88dc126d1298",
          "score": 0.3333333333333333
        },
        {
          "category_id": "6c40a85c0e21602bd49dac13495c442a",
          "score": 0.3333333333333333
        },
        {
          "category_id": "beb03942afeb6c7819a1ebd803b17246",
          "score": 0.3333333333333333
        }
      ],
      "scored_keywords": [
        {
          "keyword": "student",
          "score": 0.3333333333333333
        },
        {
          "keyword": "tetris",
          "score": 0.3333333333333333
        },
        {
          "keyword": "hash browns",
          "score": 0.3333333333333333
        }
      ],
      "flags": [],
      "entities": [

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        {
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          "type": "FAC"
        },
        {
          "category_id": "6c40a85c0e21602bd49dac13495c442a",
          "type": "GPE"
        }
      ],
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    },
    {
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          "score": 1
        }
      ],
      "scored_keywords": [
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          "score": 1
        }
      ],
      "flags": [],
      "entities": [
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          "type": "ORG"
        },
        {
          "category_id": "8c4decd2-a521-5b78-b832-b612a18c693d",
          "type": "GPE"
        }
      ],
      "sentiment": 0.4232
    },
    {
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        {
          "category_id": "f49381198e13b2bb011acabb7aff46ea",
          "score": 1
        }
      ],
      "scored_keywords": [
        {
          "keyword": "robotic",
          "score": 1
        }
      ],
      "flags": [],
      "entities": [
        {
          "category_id": "1f3c312f-04bb-5c64-8163-86b93eff1fc5",
          "type": "ORG"
        }
      ]
    },
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    "sentiment": 0.9021
  },
  {
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        "score": 0.3333333333333333
      },
      {
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        "score": 0.3333333333333333
      },
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        "category_id": "377821e5967fbda300d6bd59cca3aa01",
        "score": 0.3333333333333333
      }
    ],
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        "score": 0.3333333333333333
      },
      {
        "keyword": "shrink-wraps",
        "score": 0.3333333333333333
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      {
        "keyword": "astronauts",
        "score": 0.3333333333333333
      }
    ],
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    "entities": [],
    "sentiment": 0.5811
  },
  {
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        "score": 0.5
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        "score": 0.5
      }
    ],
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        "keyword": "fireworks",
        "score": 0.5
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        "keyword": "gambling",
        "score": 0.5
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    "flags": [

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            "flag_id": 32,
            "priority": 1,
            "listname": [
                "banned",
                "content"
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            "priority": 1,
            "listname": [
                "banned",
                "content"
            ]
        },
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            "priority": 1,
            "listname": [
                "banned",
                "content"
            ]
        }
    ],
    "entities": [],
    "sentiment": 0.159
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        "id": "392e0d5873231ed423359e4ac5b8d27c",
        "name": "Pi Day",
        "path": [
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            "Science",
            "Formal Sciences",
            "Mathematics",
            "Principles of Mathematics",
            "Numbers \u0026 Numeration Systems",
            "Mathematical Constants",
            "Pi",
            "Pi Day"
        ],
        "idpath": [
            "9c15c34150b7e723fea0eb4b12878947",
            "9954bdf75b1d9c9abde66f5fa8d8754f",
            "53d4c0d1fbbd7ace2bdabd3264a46780",
            "4ce53ea2a04fa3630d9c6f7599836f61",
            "0ab4242bf063fa7ffe5000496ca39e03",
            "5eece07c994aac582de59a2549fac7aa",
            "ed7c6e73c81e81c9793622b95ad63a2f",
            "94a5ef1f4eb4fe9dd575adb525961b36",
            "392e0d5873231ed423359e4ac5b8d27c"
        ],
        "stats": {
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      "social_idf": 11.8204439717
    },
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    "id": "351fce59b166d4c9bd4f7e2714a63a44",
    "name": "Birthdays",
    "path": [
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      "Holidays \u0026amp; Special Events",
      "Personal \u0026amp; General Events",
      "Birthdays"
    ],
    "idpath": [
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      "cbbc7e6alc50cc3c7e4d71a36b472834",
      "0d19238741a70ddbb290a4fe4a6d6f48",
      "351fce59b166d4c9bd4f7e2714a63a44"
    ],
    "stats": {
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      "social_idf": 5.3955573311
    },
    "facets": [
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        "event"
      ]
    ]
  },
  "e1a54dc1ecf8e9e2e08505f237fb5968": {
    "id": "e1a54dc1ecf8e9e2e08505f237fb5968",
    "name": "Throwback Thursday",
    "path": [
      "Computers \u0026amp; Electronics",
      "Telecommunications",
      "Internet",
      "Websites \u0026amp; Digital Content",
      "Memes \u0026amp; Hashtags",
      "Throwback Thursday"
    ],
    "idpath": [
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      "2712a67ea6c5398779d806a7a5f016eb",
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      "78971b721e12d951c071b2e3d01c74e8",
      "00b261e650d58689f4c50f6728f90d33",
      "e1a54dc1ecf8e9e2e08505f237fb5968"
    ],
    "stats": {
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    "facets": []
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    "name": "Flying Cars",
    "path": [
      "Vehicles",
      "Automotive",
      "Automotive Vehicles",
      "Cars",
      "Cars [No Make or Model Specified]",
      "Concept Cars",
      "Flying Cars"
    ],
    "idpath": [
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      "351eb1e0259f83174a2d0989dd59b362",
      "0e2aef22ab0d79d841d91eb4f88182de",
      "1e8320e16458428adfa0a0c437960883",
      "3ed56d5fe16ef7b9015e18beb22a3af5",
      "bd8525cf683b6bc0079481e3b342940e",
      "f92c6cc9611ee197c2b747583ae27bb7"
    ],
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      "social_idf": 11.6060341003
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    "facets": []
  },
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    "id": "e77926f4edd0802c8ccae902ca3ab481",
    "name": "Science Fiction",
    "path": [
      "Arts \u0026 Entertainment",
      "General Arts \u0026 Entertainment",
      "Arts \u0026 Entertainment Reference",
      "Arts \u0026 Entertainment Genres",
      "Science Fiction"
    ],
    "idpath": [
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      "510ab43297466c29e7c115a5deb9e829",
      "274625376346f0c0f766cd7214aee558",
      "6a3d1570b55a8c6f8e13cf208bad8c48",
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    ],
    "stats": {
      "social_relevance": 6.10062e-5,
      "social_idf": 9.4857705641
    },
    "facets": []
  },
  "c3c123ab122a63e915c59bfb4452f963": {
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    "name": "Time Lapse Photography",
    "path": [
      "Arts \u0026 Entertainment",
      "Art \u0026 Architecture",
      "Photographic \u0026 Digital Arts",
      "Photography",
      "Photography Reference",

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        "Photography Styles",
        "Time Lapse Photography"
    ],
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        "9c5fe10a2ef8ec077a3e9f6f9716832c",
        "e2d5a95ec2e5449aa3ca32200dc1ba11",
        "e2a24e73ddf0f86f4b24bb0b63de8c7a",
        "f27736734d08638cfeff796c613d9f94",
        "3e69664a4bf73930e84ab9c04d5aa29b",
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    "name": "Ken Jennings",
    "path": [
        "Books \u0026amp; Literature",
        "Writers",
        "Authors",
        "Ken Jennings"
    ],
    "idpath": [
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        "42ed27bd6214641b86d538bb6e68a19a",
        "f1e46f3f9726db4cd8fae40fe06b48bf",
        "167552b27327fc95f4dd5ad057660454"
    ],
    "stats": {
        "social_relevance": 1.7981e-6,
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    },
    "facets": []
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        "Education",
        "Education [No Level Specified]",
        "Education Resources \u0026amp; Information",
        "Educational Resources \u0026amp; Information [No Subject_
↩Specified]",
        "Students"
    ],
    "idpath": [
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        "7cb98cd3218f67a46f65485e02dcd50f",
        "e77975649d2ad1259aeea1b242cc0579",
        "2d558f872db06bb225d62b6cf7616563",
        "512669d0b764d09998518c04946752da",

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        "beb03942afeb6c7819a1ebd803b17246"
    ],
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    "facets": []
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    "name": "Tetris",
    "path": [
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        "Video Games",
        "Video Game Products",
        "Video Game Titles",
        "Puzzle Video Games",
        "Tetris Video Game Series",
        "Tetris"
    ],
    "idpath": [
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        "761a66aa4f58df6fdc5151837e392ffa",
        "e85b2a2795db3616a2e4efe77e9763d3",
        "d88ad5e8fd267e2df8bdc6f257dd8051",
        "b00536cd955c6954df027e65017046f5",
        "5a6e03a1f3b3a7890f2941156e8faf89",
        "6c40a85c0e21602bd49dac13495c442a"
    ],
    "stats": {
        "social_relevance": 1.51552e-5,
        "social_idf": 10.8784007437
    },
    "facets": [
        [
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            "product"
        ],
        [
            "brand",
            "tetris"
        ]
    ]
},
"b675e7ef766cdf32e0cd88dc126d1298": {
    "id": "b675e7ef766cdf32e0cd88dc126d1298",
    "name": "Hash Browns",
    "path": [
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        "Food",
        "Produce",
        "Vegetables",
        "Potatoes",
        "Potatoes [No Brand Specified]",
        "Potato Dishes",
        "Hash Browns"
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        "social_relevance": 1.51552e-5,
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    },
    "facets": [
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            "product"
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        [
            "brand",
            "tetris"
        ]
    ]
},

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        "87926bc9eabd9abe320173a55d48e7f3",
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      "name": "Largest Earthquakes",
      "path": [
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        "Science",
        "Natural Sciences",
        "Earth Sciences",
        "Branches of Earth Science",
        "Geology",
        "Geological Events",
        "Natural Disasters",
        "Earthquakes",
        "Largest Earthquakes"
      ],
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        "3f98be34278d9e5a70bedafb5b31e8b2",
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        "c92f3d571292cadaece36a486dc5503a",
        "6b362f1c0b4c37b1d31559b306160853",
        "a660fb9474473991080ee711cdf56df9",
        "75226c51631fd2d9e1a1f30d00db44a8",
        "416f528d257c527be78186310f94d849"
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      "stats": {
        "social_relevance": 3.6604e-6,
        "social_idf": 12.2991812809
      },
      "facets": []
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      "name": "Robotics",
      "path": [
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        "Applied Sciences",
        "Branches of Applied Science",

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        "Engineering \u0026 Technology Sciences",
        "Robotics"
    ],
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        "8f82615dd462926368531bf0b109589f",
        "d1702de50ae24507ea3d26a7baf80773",
        "f49381198e13b2bb011acabb7aff46ea"
    ],
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    },
    "facets": []
},
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    "name": "Space Suits",
    "path": [
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        "Science",
        "Applied Sciences",
        "Branches of Applied Science",
        "Engineering \u0026 Technology Sciences",
        "Space Technologies",
        "Space Travel",
        "Space Travel [No Agency Specified]",
        "Space Suits"
    ],
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        "a2c3e64fb366e35a012b6e69dac465cd",
        "8f82615dd462926368531bf0b109589f",
        "d1702de50ae24507ea3d26a7baf80773",
        "904fdc839f95149a2b9dfac6fb7f2069",
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        "377821e5967fbda300d6bd59cca3aa01"
    ],
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    "path": [
        "Business \u0026 Industrial",
        "General Business \u0026 Industrial",
        "General Business \u0026 Industrial Equipment \u0026 Supplies",
        "General Industrial Equipment \u0026 Supplies",

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        "Packaging \u0026 Shipping Equipment \u0026 Supplies",
        "Packaging \u0026 Shipping Materials",
        "Packaging \u0026 Shipping Films",
        "Shrink Films",
        "Shrink Wrap"
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        "85223b2c100418dea4b61c33ca47f862",
        "01ff57b60884432a3db1346c6fb9a141",
        "e7cf984c4f1310528d7a2b1f83aea118",
        "c018ea484cf5bf5acea56c9176617c98",
        "da79bed4388a93e1aaa952172e2e3018",
        "90e46f802d5c90b853b90b2dc25a6612",
        "6e709003c3ab5b23704d5fa75e7ea096",
        "a9a0477ed754171d68bc94058b3f9a40"
    ],
    "stats": {
        "social_relevance": 8.99e-7,
        "social_idf": 13.7031752191
    },
    "facets": [
        [
            "domain",
            "product"
        ]
    ]
},
"41ed5d3e1d4025ff4c948a4522995797": {
    "id": "41ed5d3e1d4025ff4c948a4522995797",
    "name": "Astronauts \u0026 Cosmonauts",
    "path": [
        "Sciences \u0026 Humanities",
        "Science",
        "Applied Sciences",
        "Branches of Applied Science",
        "Engineering \u0026 Technology Sciences",
        "Space Technologies",
        "Space Travel",
        "Space Travel [No Agency Specified]",
        "Astronauts \u0026 Cosmonauts"
    ],
    "idpath": [
        "9c15c34150b7e723fea0eb4b12878947",
        "9954bdf75b1d9c9abde66f5fa8d8754f",
        "a2c3e64fb366e35a012b6e69dac465cd",
        "8f82615dd462926368531bf0b109589f",
        "d1702de50ae24507ea3d26a7baf80773",
        "904fdc839f95149a2b9dfac6fb7f2069",
        "d65f3cfe264d132de0b9b811cb905c37",
        "c907f49501034ae4f62e0fb9a3b006a5",
        "41ed5d3e1d4025ff4c948a4522995797"
    ],
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        "social_idf": 10.3941975596
    },
},

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    "facets": [],
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    "id": "7705bcc505f80038f272c7de24a8e6a1",
    "name": "Fireworks",
    "path": [
      "People \u0026amp; Society",
      "Holidays \u0026amp; Special Events",
      "General Event Products",
      "Party Supplies",
      "General Party Supplies",
      "Party Games \u0026amp; Activities Supplies",
      "Fireworks"
    ],
    "idpath": [
      "4bfa345531d3a9bff09432c924bcc729",
      "cbbc7e6a1c50cc3c7e4d71a36b472834",
      "a8a26b219de2e27d398bca5c5dd6ba1c",
      "5f9084bb3c6bbd6dddc96aef1e801e34",
      "8f16325c03a73ef2d2dad03b184da2d3",
      "1d7997e7f97f3d1a463cb24fd3ee3a22",
      "7705bcc505f80038f272c7de24a8e6a1"
    ],
    "stats": {
      "social_relevance": 3.72459e-5,
      "social_idf": 9.9792044452
    },
    "facets": []
  },
  "cc293f9a2ec42c5438ee90751be03b94": {
    "id": "cc293f9a2ec42c5438ee90751be03b94",
    "name": "Gambling",
    "path": [
      "Sports",
      "Gambling"
    ],
    "idpath": [
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      "cc293f9a2ec42c5438ee90751be03b94"
    ],
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    },
    "facets": []
  },
  "d43dd02c-697b-54be-ac60-a93d6ae39f18": {
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    "name": "MIT",
    "path": [
      "Organizations",
      "MIT"
    ],
    "idpath": [
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      "d43dd02c-697b-54be-ac60-a93d6ae39f18"
    ],
  },

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```

    "stats": null,
    "facets": null
  },
  "99eb4ac4-974f-5805-b729-ef7a2b944c4d": {
    "id": "99eb4ac4-974f-5805-b729-ef7a2b944c4d",
    "name": "Institute",
    "path": [
      "Organizations",
      "Institute"
    ],
    "idpath": [
      "003469e8-80c6-51da-8ea8-e22db254fb74",
      "99eb4ac4-974f-5805-b729-ef7a2b944c4d"
    ],
    "stats": null,
    "facets": null
  },
  "d68982ca-alf0-5c73-a435-6b7f427f0a9c": {
    "id": "d68982ca-alf0-5c73-a435-6b7f427f0a9c",
    "name": "William Barton Rogers",
    "path": [
      "People",
      "William Barton Rogers"
    ],
    "idpath": [
      "b5029184-4d4f-5783-919b-0a91c20fec73",
      "d68982ca-alf0-5c73-a435-6b7f427f0a9c"
    ],
    "stats": null,
    "facets": null
  },
  "723d7837-7b3d-5814-801c-eecl0bfa0ef2": {
    "id": "723d7837-7b3d-5814-801c-eecl0bfa0ef2",
    "name": "Consciousness",
    "path": [
      "Organizations",
      "Consciousness"
    ],
    "idpath": [
      "003469e8-80c6-51da-8ea8-e22db254fb74",
      "723d7837-7b3d-5814-801c-eecl0bfa0ef2"
    ],
    "stats": null,
    "facets": null
  },
  "5ac57804-0e72-5fe5-a302-8f3b483d4e30": {
    "id": "5ac57804-0e72-5fe5-a302-8f3b483d4e30",
    "name": "@Terrafugia",
    "path": [
      "Organizations",
      "@Terrafugia"
    ],
    "idpath": [
      "003469e8-80c6-51da-8ea8-e22db254fb74",
      "5ac57804-0e72-5fe5-a302-8f3b483d4e30"
    ],
    "stats": null,

```

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```
    "facets": null
  },
  "34458de6-1faf-51a7-8faa-d7b400443fbd": {
    "id": "34458de6-1faf-51a7-8faa-d7b400443fbd",
    "name": "Time-Lapse Video Shows Evolution",
    "path": [
      "Organizations",
      "Time-Lapse Video Shows Evolution"
    ],
    "idpath": [
      "003469e8-80c6-51da-8ea8-e22db254fb74",
      "34458de6-1faf-51a7-8faa-d7b400443fbd"
    ],
    "stats": null,
    "facets": null
  },
  "54b598f0-8b19-5311-8acb-d18bd079fdcc": {
    "id": "54b598f0-8b19-5311-8acb-d18bd079fdcc",
    "name": "@JeopardyJulia",
    "path": [
      "Products",
      "@JeopardyJulia"
    ],
    "idpath": [
      "53f28005-8bf4-5fb0-85c1-cfbf57a4363e",
      "54b598f0-8b19-5311-8acb-d18bd079fdcc"
    ],
    "stats": null,
    "facets": null
  },
  "100190ae-3bd4-5c47-bce2-4b314a4bc784": {
    "id": "100190ae-3bd4-5c47-bce2-4b314a4bc784",
    "name": "Nikola",
    "path": [
      "Organizations",
      "Nikola"
    ],
    "idpath": [
      "003469e8-80c6-51da-8ea8-e22db254fb74",
      "100190ae-3bd4-5c47-bce2-4b314a4bc784"
    ],
    "stats": null,
    "facets": null
  },
  "6cf60af7-cc35-5cb0-9096-0b572f746fd1": {
    "id": "6cf60af7-cc35-5cb0-9096-0b572f746fd1",
    "name": "Startup @WiTricity",
    "path": [
      "People",
      "Startup @WiTricity"
    ],
    "idpath": [
      "b5029184-4d4f-5783-919b-0a91c20fec73",
      "6cf60af7-cc35-5cb0-9096-0b572f746fd1"
    ],
    "stats": null,
    "facets": null
  }
}
```

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```

    },
    "3bbb442f-3415-53a4-bac2-7d05718c2029": {
      "id": "3bbb442f-3415-53a4-bac2-7d05718c2029",
      "name": "the Student Center",
      "path": [
        "Locations",
        "the Student Center"
      ],
      "idpath": [
        "d5a74840-36e2-5078-b605-523a16ed49be",
        "3bbb442f-3415-53a4-bac2-7d05718c2029"
      ],
      "stats": null,
      "facets": null
    },
    "14aa8718-b2c3-5289-a36c-97ef96951219": {
      "id": "14aa8718-b2c3-5289-a36c-97ef96951219",
      "name": "@eapsMIT",
      "path": [
        "Organizations",
        "@eapsMIT"
      ],
      "idpath": [
        "003469e8-80c6-51da-8ea8-e22db254fb74",
        "14aa8718-b2c3-5289-a36c-97ef96951219"
      ],
      "stats": null,
      "facets": null
    },
    "8c4decd2-a521-5b78-b832-b612a18c693d": {
      "id": "8c4decd2-a521-5b78-b832-b612a18c693d",
      "name": "Istanbul",
      "path": [
        "Locations",
        "Istanbul"
      ],
      "idpath": [
        "d5a74840-36e2-5078-b605-523a16ed49be",
        "8c4decd2-a521-5b78-b832-b612a18c693d"
      ],
      "stats": null,
      "facets": null
    },
    "1f3c312f-04bb-5c64-8163-86b93eff1fc5": {
      "id": "1f3c312f-04bb-5c64-8163-86b93eff1fc5",
      "name": "MIT\u0027s",
      "path": [
        "Organizations",
        "MIT\u0027s"
      ],
      "idpath": [
        "003469e8-80c6-51da-8ea8-e22db254fb74",
        "1f3c312f-04bb-5c64-8163-86b93eff1fc5"
      ],
      "stats": null,
      "facets": null
    }
  }

```

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```

    },
    "chars": 850,
    "overlay": {
      "392e0d5873231ed423359e4ac5b8d27c": {
        "IAB_v2.0_2018": [
          [
            [
              "464",
              "Science"
            ]
          ]
        ]
      },
      "351fce59b166d4c9bd4f7e2714a63a44": {
        "IAB_v2.0_2018": [
          [
            [
              "150",
              "Events and Attractions"
            ]
          ],
          [
            [
              "150",
              "Events and Attractions"
            ]
          ],
          [
            [
              "163",
              "Events and Attractions::Personal Celebrations \u0026_
↪Life Events"
            ]
          ],
          [
            [
              "170",
              "Events and Attractions::Personal Celebrations \u0026_
↪Life Events::Birthday"
            ]
          ]
        ]
      },
      "e1a54dc1ecf8e9e2e08505f237fb5968": {
        "IAB_v2.0_2018": [
          [
            [
              "632",
              "Technology \u0026 Computing::Consumer Electronics"
            ]
          ],
          [
            [
              "596",
              "Technology \u0026 Computing"
            ]
          ],
          [
            [
              "116",
              "Business and Finance::Industries::Telecommunications_
↪Industry"
            ]
          ]
        ]
      }
    }
  }

```

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```

    ],
    [
      [
        "619",
        "Technology \u0026 Computing::Computing::Internet"
      ]
    ]
  ],
  "f92c6cc9611ee197c2b747583ae27bb7": {
    "IAB_v2.0_2018": [
      [
        [
          "1",
          "Automotive"
        ]
      ],
      [
        [
          "2",
          "Automotive::Auto Body Styles"
        ]
      ],
      [
        [
          "16",
          "Automotive::Auto Type"
        ]
      ],
      [
        [
          "20",
          "Automotive::Auto Type::Concept Cars"
        ]
      ]
    ]
  },
  "e77926f4edd0802c8ccae902ca3ab481": {
    "IAB_v2.0_2018": []
  },
  "c3c123ab122a63e915c59bfb4452f963": {
    "IAB_v2.0_2018": [
      [
        [
          "206",
          "Fine Art::Fine Art Photography"
        ]
      ],
      [
        [
          "201",
          "Fine Art"
        ]
      ]
    ],
    [
      [
        "206",
        "Fine Art::Fine Art Photography"
      ]
    ]
  }
}

```

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```

        ],
        [
            "255",
            "Hobbies \u0026 Interests::Arts and
↪Crafts::Photography"
        ]
    ]
},
"167552b27327fc95f4dd5ad057660454": {
    "IAB_v2.0_2018": [
        [
            "42",
            "Books and Literature"
        ]
    ]
},
"beb03942afeb6c7819a1ebd803b17246": {
    "IAB_v2.0_2018": [
        [
            "123",
            "Careers"
        ]
    ],
    [
        [
            "92",
            "Business and Finance::Industries::Education industry"
        ],
        [
            "132",
            "Education"
        ]
    ]
},
"6c40a85c0e21602bd49dac13495c442a": {
    "IAB_v2.0_2018": [
        [
            "239",
            "Hobbies \u0026 Interests"
        ],
        [
            "269",
            "Hobbies \u0026 Interests::Games and Puzzles"
        ]
    ],
    [
        [
            "680",
            "Video Gaming"
        ]
    ]
},

```

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```

        [
          [
            "685",
            "Video Gaming::Video Game Genres"
          ],
          [
            "691",
            "Video Gaming::Video Game Genres::Action-Adventure_
↔Video Games"
          ],
          [
            "692",
            "Video Gaming::Video Game Genres::Adventure Video_
↔Games"
          ]
        ],
        [
          [
            "698",
            "Video Gaming::Video Game Genres::Puzzle Video Games"
          ]
        ]
      ],
    },
    "b675e7ef766cdf32e0cd88dc126d1298": {
      "IAB_v2.0_2018": [
        [
          [
            "210",
            "Food \u0026 Drink"
          ]
        ]
      ]
    },
    "416f528d257c527be78186310f94d849": {
      "IAB_v2.0_2018": [
        [
          [
            "464",
            "Science"
          ]
        ]
      ]
    },
    "f49381198e13b2bb011acabb7aff46ea": {
      "IAB_v2.0_2018": [
        [
          [
            "464",
            "Science"
          ]
        ]
      ]
    },
    "377821e5967fbda300d6bd59cca3aa01": {
      "IAB_v2.0_2018": [

```

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```

        [
            "464",
            "Science"
        ]
    ],
    ],
},
"a9a0477ed754171d68bc94058b3f9a40": {
    "IAB_v2.0_2018": [
        [
            [
                "52",
                "Business and Finance"
            ],
            [
                "53",
                "Business and Finance::Business"
            ]
        ]
    ],
},
"41ed5d3e1d4025ff4c948a4522995797": {
    "IAB_v2.0_2018": [
        [
            [
                "464",
                "Science"
            ]
        ]
    ],
},
"7705bcc505f80038f272c7de24a8e6a1": {
    "IAB_v2.0_2018": [
        [
            [
                "150",
                "Events and Attractions"
            ]
        ],
        [
            [
                "161",
                "Events and Attractions::Party Supplies and
↳Decorations"
            ]
        ]
    ],
},
"cc293f9a2ec42c5438ee90751be03b94": {
    "IAB_v2.0_2018": [
        [
            [
                "483",
                "Sports"
            ],
            [
                "226",

```

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```

    "Sports"
    "Healthy Living::Fitness and Exercise::Participant_
    ],
    [
    [
    "181",
    "Events and Attractions::Casinos \u0026 Gambling"
    ],
    [
    "524",
    "Sports::Poker and Professional Gambling"
    ]
    ]
    ],
    "d43dd02c-697b-54be-ac60-a93d6ae39f18": {
      "IAB_v2.0_2018": []
    },
    "99eb4ac4-974f-5805-b729-ef7a2b944c4d": {
      "IAB_v2.0_2018": []
    },
    "d68982ca-a1f0-5c73-a435-6b7f427f0a9c": {
      "IAB_v2.0_2018": []
    },
    "723d7837-7b3d-5814-801c-eecl0bfa0ef2": {
      "IAB_v2.0_2018": []
    },
    "5ac57804-0e72-5fe5-a302-8f3b483d4e30": {
      "IAB_v2.0_2018": []
    },
    "34458de6-1faf-51a7-8faa-d7b400443fbd": {
      "IAB_v2.0_2018": []
    },
    "54b598f0-8b19-5311-8acb-d18bd079fdcc": {
      "IAB_v2.0_2018": []
    },
    "100190ae-3bd4-5c47-bce2-4b314a4bc784": {
      "IAB_v2.0_2018": []
    },
    "6cf60af7-cc35-5cb0-9096-0b572f746fd1": {
      "IAB_v2.0_2018": []
    },
    "3bbb442f-3415-53a4-bac2-7d05718c2029": {
      "IAB_v2.0_2018": []
    },
    "14aa8718-b2c3-5289-a36c-97ef96951219": {
      "IAB_v2.0_2018": []
    },
    "8c4decd2-a521-5b78-b832-b612a18c693d": {
      "IAB_v2.0_2018": []
    },
    "1f3c312f-04bb-5c64-8163-86b93eff1fc5": {
      "IAB_v2.0_2018": []
    }
  },
}

```

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```
    "signature": {
      "resource": "POST \\/classify\\/ :type\\/ :result_id",
      "status": "200 OK - successful",
      "client_ip": "209.41.117.158"
    }
  }
}
```

## 9.4 Classify Text

### Classify Text Calls

- *POST classify/text*
  - *Resource URL*
  - *Parameters*
  - *Return*
  - *Example Request*
    - \* *POST Request*
    - \* *POST Response*

### 9.4.1 POST classify/text

Classify the submitted plain text and return scored categories and keywords.

#### Resource URL

<https://api.econtext.com/v2/classify/text>

## Parameters

Parameter	Type	Description
<code>text</code> ( <i>required</i> )	string	A plaintext string to be classified.
<code>classification_type</code> ( <i>optional</i> )	integer	Select the classification method: 1 for rule-based, 2 for model-based, or 0 for a hybrid rule-based + model-based (defaults to 0)
<code>ml_threshold</code> ( <i>optional</i> )	float	Specify a confidence threshold for accepting an ML prediction. A lower value increases recall at the expense of precision (defaults to 0.75)
<code>entities</code> ( <i>optional</i> )	boolean	Perform Named Entity Recognition (NER) on the content submitted (defaults to <code>false</code> )
<code>sentiment</code> ( <i>optional</i> )	boolean	Perform sentiment analysis on the content submitted (defaults to <code>false</code> )
<code>taxonomy_timestamp</code> ( <i>optional</i> )	integer	A Unix timestamp instructing the classifier to use categories from the eContext Taxonomy that existed at this point in time. This will allow recently deleted categories to remain and hides newly created categories
<code>dataset_id</code> ( <i>optional</i> )	string	A <i>Custom Taxonomies</i> id to use in lieu of the default eContext Taxonomy
<code>add_last_node</code> ( <i>optional</i> )	bool	Include the last category node, or leave at the parent category
<code>classify_limit</code> ( <i>optional</i> )	integer	Limit the number of categories that may be returned per post
<code>classify_timeout</code> ( <i>optional</i> )	float	The number of seconds to spend on a classification task

## Return

The result set includes `scored_categories` and `scored_keywords` as well as a `categories` dictionary. The `scored_keywords` object contains a list of high-value phrases that eContext was able to pull out of the submitted text as well as associated scores for each. The `scored_categories` object contains a list of `category_id` and `score` objects where the `category_id` corresponds to an item in the `categories` dictionary. Higher values indicate a higher score.

## Example Request

### POST Request

```
curl -X POST -u username:password --data-binary @classify-text-input.json \
--header "Content-type: application/json" \
https://api.econtext.com/v2/classify/text
```

The contents of `classify-text-input.json`:

```
{
  "entities": true,
  "sentiment": true,
  "text": "The Red Cross What We Do: The American Red Cross exists to provide
↪ compassionate care to those in need. Our network of generous donors, volunteers and
↪ employees share a mission of preventing and relieving suffering, here at home and
↪ around the world, through five key service areas: Disaster Relief The Red Cross
↪ responds to approximately 64,000 disasters in the United States every year, ranging
↪ from home fires that affect a single family to hurricanes that affect tens of
↪ thousands, to earthquakes that impact millions. In these events, the Red Cross
↪ provides shelter, food, health and mental health services to help families
↪ entire communities get back on their feet. Although the Red Cross is not a
↪ government agency, it is an essential part of the response when disaster strikes.
↪ We work in partnership with other agencies and organizations that provide services
↪ to disaster victims. Supporting America's Military Families The Red Cross helps
↪ military members, veterans and their families prepare for, cope with, and respond
↪ to the challenges of military service. Emergency communications, training, support
```

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}

## POST Response

```
{
  "econtext": {
    "classify": {
      "scored_categories": [
        {
          "category_id": "b0abd2a963cb083923b5aaf6ec8b12f9",
          "score": 0.16120027913468
        },
        {
          "category_id": "c793808308ef14243db97af8ccf9ad8a",
          "score": 0.15491974877879
        },
        {
          "category_id": "fe1fb7c5db256c9c0c2af9f45d0194b4",
          "score": 0.15282623866015
        },
        {
          "category_id": "1107f31431901cf750672e78aa0744b9",
          "score": 0.13398464759246
        },
        {
          "category_id": "1a31cf982eb9390410094f39707db2eb",
          "score": 0.11933007676204
        },
        {
          "category_id": "2d3c01aa275e87f389821f10f0f1433f",
          "score": 0.10467550593161
        },
        {
          "category_id": "b4799258dfb2df2b13978438a6a6ec8e",
          "score": 0.050244242847174
        },
        {
          "category_id": "d1fcd82b76b41b3b24846474e725d716",
          "score": 0.041870202372645
        },
        {
          "category_id": "81b7c121d63f530187adf07e27f17342",
          "score": 0.039078855547802
        },
        {
          "category_id": "7d0f6ffe5b5949f8699a534d03cd4671",
          "score": 0.03768318213538
        }
      ],
      "scored_keywords": [
        {
          "keyword": "health",
          "score": 0.17703349282297
        }
      ]
    }
  }
}
```

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```

    {
      "keyword": "military",
      "score": 0.15311004784689
    },
    {
      "keyword": "veterans",
      "score": 0.14354066985646
    },
    {
      "keyword": "red cross",
      "score": 0.14114832535885
    },
    {
      "keyword": "volunteers",
      "score": 0.11961722488038
    },
    {
      "keyword": "blood your donations",
      "score": 0.069377990430622
    },
    {
      "keyword": "hurricanes",
      "score": 0.057416267942584
    },
    {
      "keyword": "humanitarian",
      "score": 0.047846889952153
    },
    {
      "keyword": "donate blood",
      "score": 0.043062200956938
    },
    {
      "keyword": "lifeguard",
      "score": 0.043062200956938
    }
  ],
  "categories": {
    "fel1fb7c5db256c9c0c2af9f45d0194b4": {
      "id": "fel1fb7c5db256c9c0c2af9f45d0194b4",
      "name": "American Red Cross",
      "path": [
        "People \u0026amp; Society",
        "Social Groups \u0026amp; Issues",
        "Emergencies, Disasters \u0026amp; Safety",
        "Disaster Relief",
        "International Red Cross and Red Crescent Movement",
        "American Red Cross"
      ],
      "idpath": [
        "4bfa345531d3a9bff09432c924bcc729",
        "e48d0942110598946dbfe4b5fa8dc924",
        "1b76c4621627a905e40c2eaf1a93b85c",
        "ad0b94eb59b7d1ba60cba3428d824e58",
        "47383e0b647d2154ab0d0cdf19701717",
        "fel1fb7c5db256c9c0c2af9f45d0194b4"
      ]
    }
  ]
}

```

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```

"stats": {
  "social_relevance": 1.08527e-5,
  "social_idf": 11.2123338338
},
"facets": [
  [
    "domain",
    "facility"
  ]
]
},
"2d3c01aa275e87f389821f10f0f1433f": {
  "id": "2d3c01aa275e87f389821f10f0f1433f",
  "name": "Volunteering",
  "path": [
    "People \u0026 Society",
    "Social Groups \u0026 Issues",
    "Social Issues \u0026 Advocacy",
    "Charity \u0026 Philanthropy",
    "Volunteering"
  ],
  "idpath": [
    "4bfa345531d3a9bff09432c924bcc729",
    "e48d0942110598946dbfe4b5fa8dc924",
    "f9fb32661586c3ebe507622d8e8f773f",
    "2d4b2a9a394ff9ce37a6ef552cd37f46",
    "2d3c01aa275e87f389821f10f0f1433f"
  ],
  "stats": {
    "social_relevance": 0.0002027975,
    "social_idf": 8.2845383539
  },
  "facets": []
},
"b4799258dfb2df2b13978438a6a6ec8e": {
  "id": "b4799258dfb2df2b13978438a6a6ec8e",
  "name": "Hurricanes \u0026 Cyclones",
  "path": [
    "Sciences \u0026 Humanities",
    "Science",
    "Natural Sciences",
    "Earth Sciences",
    "Branches of Earth Science",
    "Atmospheric Science",
    "Meteorology",
    "Weather",
    "Hurricanes \u0026 Cyclones"
  ],
  "idpath": [
    "9c15c34150b7e723fea0eb4b12878947",
    "9954bdf75b1d9c9abde66f5fa8d8754f",
    "36c3f922da8fc76f982280ca44c8e4b8",
    "3f98be34278d9e5a70bedafb5b31e8b2",
    "a92ee8be0d06baa40a30a7066666fd84",
    "2af22889ddd8dd6ed27c18e3dc2cb115",
    "32b689b419a1166095a2c02cc3503670",
    "df261c3fede05cc48a31e352bdfac50e",

```

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```

        "b4799258dfb2df2b13978438a6a6ec8e"
    ],
    "stats": {
        "social_relevance": 6.8327e-5,
        "social_idf": 9.3724418788
    },
    "facets": []
},
"c793808308ef14243db97af8ccf9ad8a": {
    "id": "c793808308ef14243db97af8ccf9ad8a",
    "name": "Health",
    "path": [
        "Health"
    ],
    "idpath": [
        "c793808308ef14243db97af8ccf9ad8a"
    ],
    "stats": {
        "social_relevance": 0.0009595314,
        "social_idf": 6.7303012302
    },
    "facets": []
},
"81b7c121d63f530187adf07e27f17342": {
    "id": "81b7c121d63f530187adf07e27f17342",
    "name": "Mental Health Services",
    "path": [
        "Health",
        "Healthcare Services",
        "Mental Health Services"
    ],
    "idpath": [
        "c793808308ef14243db97af8ccf9ad8a",
        "43bb825aa41e7ebcafa1591abc3c5d15",
        "81b7c121d63f530187adf07e27f17342"
    ],
    "stats": {
        "social_relevance": 3.28791e-5,
        "social_idf": 10.1039079237
    },
    "facets": [
        [
            "domain",
            "service"
        ]
    ]
},
"1107f31431901cf750672e78aa0744b9": {
    "id": "1107f31431901cf750672e78aa0744b9",
    "name": "Militaries",
    "path": [
        "Government",
        "Government [No Location Specified]",
        "Governmental Structures",
        "National Governments",
        "Militaries"
    ],

```

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```

      "idpath": [
        "2aeb9349223b598a228ce6da9d8dd364",
        "65daf9280247be20b6d6c88e68912658",
        "a2833d90fa14ae4bf87d09d13a16d634",
        "22a6d0da3aa764e6b7c11020dbc46ab2",
        "1107f31431901cf750672e78aa0744b9"
      ],
      "stats": {
        "social_relevance": 0.000242869,
        "social_idf": 8.1042242995
      },
      "facets": []
    },
    "b0abd2a963cb083923b5aaf6ec8b12f9": {
      "id": "b0abd2a963cb083923b5aaf6ec8b12f9",
      "name": "Military Veterans",
      "path": [
        "Government",
        "Government [No Location Specified]",
        "Governmental Structures",
        "National Governments",
        "Militaries",
        "National Defense Forces [No Branch Specified]",
        "Military Veterans"
      ],
      "idpath": [
        "2aeb9349223b598a228ce6da9d8dd364",
        "65daf9280247be20b6d6c88e68912658",
        "a2833d90fa14ae4bf87d09d13a16d634",
        "22a6d0da3aa764e6b7c11020dbc46ab2",
        "1107f31431901cf750672e78aa0744b9",
        "b2713f7f076ce54a82346cc17f0a7a13",
        "b0abd2a963cb083923b5aaf6ec8b12f9"
      ],
      "stats": {
        "social_relevance": 0.0001645883,
        "social_idf": 8.4932988224
      },
      "facets": []
    },
    "1a31cf982eb9390410094f39707db2eb": {
      "id": "1a31cf982eb9390410094f39707db2eb",
      "name": "Blood Donations",
      "path": [
        "Health",
        "Healthcare Services",
        "Internal Medicine Services",
        "Hematology Services",
        "Blood \u0026 Bone Marrow Donations",
        "Blood Donations"
      ],
      "idpath": [
        "c793808308ef14243db97af8ccf9ad8a",
        "43bb825aa41e7ebcafa1591abc3c5d15",
        "b8a4228d0e04381e80fd0687677ba6b0",
        "0e28d1f1429449b3b11cfdee9915579c",
        "e176a76af10d538b0a7ebf82caf205bc"
      ],

```

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```

        "1a31cf982eb9390410094f39707db2eb"
    ],
    "stats": {
        "social_relevance": 1.34856e-5,
        "social_idf": 10.995125018
    },
    "facets": []
},
"7d0f6ffe5b5949f8699a534d03cd4671": {
    "id": "7d0f6ffe5b5949f8699a534d03cd4671",
    "name": "Lifeguards",
    "path": [
        "Jobs \u0026 Education",
        "Jobs",
        "Law Enforcement \u0026 Public Safety Careers",
        "Law Enforcement \u0026 Public Safety Job Listings",
        "Lifeguards"
    ],
    "idpath": [
        "65ace7f404e084a6a2d7f326aa5d8643",
        "a04e132c5ed85ce41f23e38ad9996b66",
        "7e2e38d02b19e143d50be40829b66f05",
        "77824adc451da966cdcb41b3b5fc9e41",
        "7d0f6ffe5b5949f8699a534d03cd4671"
    ],
    "stats": {
        "social_relevance": 7.1923e-6,
        "social_idf": 11.6237336774
    },
    "facets": []
},
"d1fcd82b76b41b3b24846474e725d716": {
    "id": "d1fcd82b76b41b3b24846474e725d716",
    "name": "Humanitarianism",
    "path": [
        "People \u0026 Society",
        "Social Groups \u0026 Issues",
        "Social Issues \u0026 Advocacy",
        "Social Issues \u0026 Advocacy [No Cause Specified]",
        "Humanitarianism"
    ],
    "idpath": [
        "4bfa345531d3a9bff09432c924bcc729",
        "e48d0942110598946dbfe4b5fa8dc924",
        "f9fb32661586c3ebe507622d8e8f773f",
        "3bb8d373b167c6b5c8f769a4f1866007",
        "d1fcd82b76b41b3b24846474e725d716"
    ],
    "stats": {
        "social_relevance": 2.42741e-5,
        "social_idf": 10.4073383531
    },
    "facets": []
},
"c0b7dfb1-7ef6-50c9-811a-1a708e54588a": {
    "id": "c0b7dfb1-7ef6-50c9-811a-1a708e54588a",
    "name": "the Red Cross",

```

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```

    "path": [
      "Organizations",
      "the Red Cross"
    ],
    "idpath": [
      "003469e8-80c6-51da-8ea8-e22db254fb74",
      "c0b7dfb1-7ef6-50c9-811a-1a708e54588a"
    ],
    "stats": null,
    "facets": null
  },
  "7c2bfa2e-fcd9-5d84-a7f0-19c7aaf44849": {
    "id": "7c2bfa2e-fcd9-5d84-a7f0-19c7aaf44849",
    "name": "American",
    "path": [
      "Organizations",
      "American"
    ],
    "idpath": [
      "003469e8-80c6-51da-8ea8-e22db254fb74",
      "7c2bfa2e-fcd9-5d84-a7f0-19c7aaf44849"
    ],
    "stats": null,
    "facets": null
  },
  "516b1cb7-96a7-532b-9a38-bf92d43d0f1d": {
    "id": "516b1cb7-96a7-532b-9a38-bf92d43d0f1d",
    "name": "the United States",
    "path": [
      "Locations",
      "the United States"
    ],
    "idpath": [
      "d5a74840-36e2-5078-b605-523a16ed49be",
      "516b1cb7-96a7-532b-9a38-bf92d43d0f1d"
    ],
    "stats": null,
    "facets": null
  },
  "130ce71f-0663-53b5-84d6-25920651a296": {
    "id": "130ce71f-0663-53b5-84d6-25920651a296",
    "name": "U.S",
    "path": [
      "Locations",
      "U.S"
    ],
    "idpath": [
      "d5a74840-36e2-5078-b605-523a16ed49be",
      "130ce71f-0663-53b5-84d6-25920651a296"
    ],
    "stats": null,
    "facets": null
  },
  "9ad154c7-1e1f-5bc0-8314-74c07bc7913d": {
    "id": "9ad154c7-1e1f-5bc0-8314-74c07bc7913d",
    "name": "America",
    "path": [

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```

        "Locations",
        "America"
    ],
    "idpath": [
        "d5a74840-36e2-5078-b605-523a16ed49be",
        "9ad154c7-1e1f-5bc0-8314-74c07bc7913d"
    ],
    "stats": null,
    "facets": null
},
"1229403": {
    "id": 1229403,
    "name": "Healthcare Services",
    "path": [
        "Health",
        "Healthcare Services"
    ],
    "idpath": [
        1002000,
        1229403
    ],
    "stats": {
        "social_relevance": 3.8466e-5,
        "social_idf": 9.9469709506
    },
    "facets": null
},
"7e0a6060-c4b2-57e5-8139-fe6cc8e00975": {
    "id": "7e0a6060-c4b2-57e5-8139-fe6cc8e00975",
    "name": "CPR",
    "path": [
        "Organizations",
        "CPR"
    ],
    "idpath": [
        "003469e8-80c6-51da-8ea8-e22db254fb74",
        "7e0a6060-c4b2-57e5-8139-fe6cc8e00975"
    ],
    "stats": null,
    "facets": null
},
"d74a7093-e576-539c-ace5-9efb7fce0153": {
    "id": "d74a7093-e576-539c-ace5-9efb7fce0153",
    "name": "First Aid",
    "path": [
        "Organizations",
        "First Aid"
    ],
    "idpath": [
        "003469e8-80c6-51da-8ea8-e22db254fb74",
        "d74a7093-e576-539c-ace5-9efb7fce0153"
    ],
    "stats": null,
    "facets": null
},
"d515c917-0e04-59da-bf21-cab2ef5249e4": {
    "id": "d515c917-0e04-59da-bf21-cab2ef5249e4",

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```

    "name": "Americans",
    "path": [
      "Organizations",
      "Americans"
    ],
    "idpath": [
      "003469e8-80c6-51da-8ea8-e22db254fb74",
      "d515c917-0e04-59da-bf21-cab2ef5249e4"
    ],
    "stats": null,
    "facets": null
  },
  "22be2ebd-da59-50d8-8e2a-96331ca2328b": {
    "id": "22be2ebd-da59-50d8-8e2a-96331ca2328b",
    "name": "International Services",
    "path": [
      "Organizations",
      "International Services"
    ],
    "idpath": [
      "003469e8-80c6-51da-8ea8-e22db254fb74",
      "22be2ebd-da59-50d8-8e2a-96331ca2328b"
    ],
    "stats": null,
    "facets": null
  },
  "0eed0a7c-53e6-5da3-9c1a-5311a7027607": {
    "id": "0eed0a7c-53e6-5da3-9c1a-5311a7027607",
    "name": "The American Red Cross",
    "path": [
      "Organizations",
      "The American Red Cross"
    ],
    "idpath": [
      "003469e8-80c6-51da-8ea8-e22db254fb74",
      "0eed0a7c-53e6-5da3-9c1a-5311a7027607"
    ],
    "stats": null,
    "facets": null
  }
},
"entities": [
  {
    "category_id": "c0b7dfb1-7ef6-50c9-811a-1a708e54588a",
    "type": "ORG"
  },
  {
    "category_id": "7c2bfa2e-fcd9-5d84-a7f0-19c7aaf44849",
    "type": "NORP"
  },
  {
    "category_id": "fe1fb7c5db256c9c0c2af9f45d0194b4",
    "type": "ORG"
  },
  {
    "category_id": "516b1cb7-96a7-532b-9a38-bf92d43d0f1d",
    "type": "GPE"
  }
]

```

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```

    },
    {
      "category_id": "c0b7dfb1-7ef6-50c9-811a-1a708e54588a",
      "type": "ORG"
    },
    {
      "category_id": "c0b7dfb1-7ef6-50c9-811a-1a708e54588a",
      "type": "ORG"
    },
    {
      "category_id": "130ce71f-0663-53b5-84d6-25920651a296",
      "type": "GPE"
    },
    {
      "category_id": "c0b7dfb1-7ef6-50c9-811a-1a708e54588a",
      "type": "ORG"
    },
    {
      "category_id": "9ad154c7-1e1f-5bc0-8314-74c07bc7913d",
      "type": "GPE"
    },
    {
      "category_id": 1229403,
      "type": "ORG"
    },
    {
      "category_id": "7e0a6060-c4b2-57e5-8139-fe6cc8e00975",
      "type": "ORG"
    },
    {
      "category_id": "d74a7093-e576-539c-ace5-9efb7fce0153",
      "type": "ORG"
    },
    {
      "category_id": "d515c917-0e04-59da-bf21-cab2ef5249e4",
      "type": "NORP"
    },
    {
      "category_id": "22be2ebd-da59-50d8-8e2a-96331ca2328b",
      "type": "ORG"
    },
    {
      "category_id": "0eed0a7c-53e6-5da3-9c1a-5311a7027607",
      "type": "ORG"
    }
  ],
  "sentiment": 0.73522631578947,
  "chars": 2204,
  "overlay": {
    "fel1fb7c5db256c9c0c2af9f45d0194b4": {
      "IAB_v2.0_2018": []
    },
    "2d3c01aa275e87f389821f10f0f1433f": {
      "IAB_v2.0_2018": []
    },
    "b4799258dfb2df2b13978438a6a6ec8e": {
      "IAB_v2.0_2018": [

```

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```
[
  [
    [
      "464",
      "Science"
    ]
  ]
],
"793808308ef14243db97af8ccf9ad8a": {
  "IAB_v2.0_2018": [
    [
      [
        "286",
        "Medical Health"
      ]
    ]
  ],
},
"81b7c121d63f530187adf07e27f17342": {
  "IAB_v2.0_2018": [
    [
      [
        "286",
        "Medical Health"
      ]
    ]
  ],
},
"1107f31431901cf750672e78aa0744b9": {
  "IAB_v2.0_2018": []
},
"b0abd2a963cb083923b5aaf6ec8b12f9": {
  "IAB_v2.0_2018": []
},
"1a31cf982eb9390410094f39707db2eb": {
  "IAB_v2.0_2018": [
    [
      [
        "286",
        "Medical Health"
      ]
    ]
  ],
},
"7d0f6ffe5b5949f8699a534d03cd4671": {
  "IAB_v2.0_2018": [
    [
      [
        "123",
        "Careers"
      ]
    ]
  ],
},
"d1fcd82b76b41b3b24846474e725d716": {
  "IAB_v2.0_2018": []
},
],
```

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```

    "c0b7dfb1-7ef6-50c9-811a-1a708e54588a": {
      "IAB_v2.0_2018": []
    },
    "7c2bfa2e-fcd9-5d84-a7f0-19c7aaf44849": {
      "IAB_v2.0_2018": []
    },
    "516b1cb7-96a7-532b-9a38-bf92d43d0f1d": {
      "IAB_v2.0_2018": []
    },
    "130ce71f-0663-53b5-84d6-25920651a296": {
      "IAB_v2.0_2018": []
    },
    "9ad154c7-1e1f-5bc0-8314-74c07bc7913d": {
      "IAB_v2.0_2018": []
    },
    "1229403": {
      "IAB_v2.0_2018": [
        [
          [
            "286",
            "Medical Health"
          ]
        ]
      ]
    },
    "7e0a6060-c4b2-57e5-8139-fe6cc8e00975": {
      "IAB_v2.0_2018": []
    },
    "d74a7093-e576-539c-ace5-9efb7fce0153": {
      "IAB_v2.0_2018": []
    },
    "d515c917-0e04-59da-bf21-cab2ef5249e4": {
      "IAB_v2.0_2018": []
    },
    "22be2ebd-da59-50d8-8e2a-96331ca2328b": {
      "IAB_v2.0_2018": []
    },
    "0eed0a7c-53e6-5da3-9c1a-5311a7027607": {
      "IAB_v2.0_2018": []
    }
  ],
  "signature": {
    "resource": "POST \\/classify\\/:type\\/:result_id",
    "status": "200 OK - successful",
    "client_ip": "209.41.117.158"
  }
}

```

## 9.5 Classify URL

### Classify URL Calls

- *POST classify/url*
  - *Resource URL*
  - *Parameters*
  - *Return*
  - *Example Request*
    - \* *POST Request*
    - \* *POST Response*

## 9.5.1 POST classify/url

Classify the submitted URL and return scored categories and keywords.

The Classify URL call honors the robots.txt file from the site of the specified URL. In the case that the specified URL is blocked by robots.txt, a 403 error will be returned to the user with an error message indicating same.

The Classify URL call also requires that the URL being examined must adhere to a content-type and content-length standard. The Content-type header for the URL must be one of the following: text/plain, text/html, text/xhtml, application/xhtml+xml, text/xml, application/xml. The Content-length header must present a value less than or equal to 256000 bytes.

### Resource URL

<https://api.econtext.com/v2/classify/url>

## Parameters

Parameter	Type	Description
<code>url</code> ( <i>required</i> )	string	A fully qualified URL to be retrieved and classified.
<code>classification_type</code> ( <i>optional</i> )	integer	Select the classification method: 1 for rule-based, 2 for model-based, or 0 for a hybrid rule-based + model-based (defaults to 0)
<code>ml_threshold</code> ( <i>optional</i> )	float	Specify a confidence threshold for accepting an ML prediction. A lower value increases recall at the expense of precision (defaults to 0.75)
<code>cache_skip</code> ( <i>optional</i> )	boolean	Rescrape a URL for HTML content rather than using a possibly cached scrape (defaults to <code>false</code> )
<code>entities</code> ( <i>optional</i> )	boolean	Perform Named Entity Recognition (NER) on the content submitted (defaults to <code>false</code> )
<code>sentiment</code> ( <i>optional</i> )	boolean	Perform sentiment analysis on the content submitted (defaults to <code>false</code> )
<code>min_tags</code> ( <i>optional</i> )	integer	eContext uses a smart parsing library to extract only the most relevant content from a webpage, and ignore areas likely to be less relevant (navigation, footers, etc). However, for some pages this may result in less content extracted than expected. Use this parameter to set a minimum number of HTML tags the smart library must extract; if the result is less than this minimum, eContext will extract content from all HTML tags (eg, a full-page parse).
<code>taxonomy_timestamp</code> ( <i>optional</i> )	integer	A Unix timestamp instructing the classifier to use categories from the eContext Taxonomy that existed at this point in time. This will allow recently deleted categories to remain and hides newly created categories
<code>dataset_id</code> ( <i>optional</i> )	string	A <i>Custom Taxonomies</i> id to use in lieu of the default eContext Taxonomy
<code>add_last_node</code> ( <i>optional</i> )	bool	Include the last category node, or leave at the parent category
<code>classify_limit</code> ( <i>optional</i> )	integer	Limit the number of categories that may be returned per post
<code>classify_timeout</code> ( <i>optional</i> )	float	The number of seconds to spend on a classification task

## Return

The result set includes `scored_categories` and `scored_keywords` as well as a `categories` dictionary. The `scored_keywords` object contains a list of high-value phrases that eContext was able to pull out of the submitted text as well as associated scores for each. The `scored_categories` object contains a list of `category_id` and `score` objects where the `category_id` corresponds to an item in the `categories` dictionary. Higher values indicate a higher score.

## Example Request

### POST Request

```
curl -X POST -u username:password --data-binary @classify-url-input.json \
--header "Content-type: application/json" \
https://api.econtext.com/v2/classify/url
```

The contents of `classify-url-input.json`:

```
{
  "async": false,
  "url": "http://topics.info.com/Parks_4679"
}
```

## POST Response

```
{
  "econtext": {
    "classify": {
      "title": "Semantic Text Classification | eContext Taxonomy and Data_
↪Structure |",
      "scored_categories": [
        {
          "category_id": "6981e993569ba5af3cc14d7c3a05fc76",
          "score": 0.66405638214565
        },
        {
          "category_id": "1a9587f016d90b4cfb0c473039c98f3a",
          "score": 0.065779169929522
        },
        {
          "category_id": "b2ba2d3dc01ec7dea4263ebd882f9e86",
          "score": 0.043852779953015
        },
        {
          "category_id": "c29f157a195759a39cc27e7c540cd4d9",
          "score": 0.043852779953015
        },
        {
          "category_id": "9bfd0bb46baa2306a253f745cec5b1f7",
          "score": 0.037588097102584
        },
        {
          "category_id": "71a84c532ab6124052e5b92f85dc5dd8",
          "score": 0.034455755677369
        },
        {
          "category_id": "34d5bf8766845bf437fe3c69663692f2",
          "score": 0.027407987470634
        },
        {
          "category_id": "fc2b4234fdf6b60d01daa7e34d8b5bae",
          "score": 0.02662490211433
        },
        {
          "category_id": "6c7d1b5fbb00b32a1132007c9c851995",
          "score": 0.025058731401723
        }
      ],
      "scored_keywords": [
        {
          "keyword": "econtext",
          "score": 0.63082437275986
        }
      ]
    }
  }
}
```

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```

    {
      "keyword": "video",
      "score": 0.075268817204301
    },
    {
      "keyword": "chatbots",
      "score": 0.050179211469534
    },
    {
      "keyword": "surveys",
      "score": 0.043010752688172
    },
    {
      "keyword": "keywords",
      "score": 0.039426523297491
    },
    {
      "keyword": "econtext's",
      "score": 0.039426523297491
    },
    {
      "keyword": "kantar",
      "score": 0.028673835125448
    },
    {
      "keyword": "scientist",
      "score": 0.028673835125448
    },
    {
      "keyword": "taxonomy",
      "score": 0.028673835125448
    }
  ],
  "categories": {
    "6981e993569ba5af3cc14d7c3a05fc76": {
      "id": "6981e993569ba5af3cc14d7c3a05fc76",
      "name": "eContext",
      "path": [
        "Business & Industrial",
        "Advertising & Marketing",
        "Advertising & Marketing Services",
        "Internet Advertising & Marketing",
        "Internet Advertising & Marketing Tools",
        "eContext"
      ],
      "idpath": [
        "93ae18acd5845912d0719cf14e34fff0",
        "4a90604ecbb8e54663f84f59ce4350c1",
        "ab0630bafba120dedbb788c0b8d33091",
        "56ee67cc2683e5c1e5dcf113f835fdbb",
        "e6229d3e428212d041b432f89399871a",
        "6981e993569ba5af3cc14d7c3a05fc76"
      ],
      "stats": {
        "social_relevance": 6.42e-8,
        "social_idf": 16.3422325487
      }
    }
  }
},

```

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```

    "facets": [
      [
        "domain",
        "service"
      ]
    ]
  },
  "1a9587f016d90b4cfb0c473039c98f3a": {
    "id": "1a9587f016d90b4cfb0c473039c98f3a",
    "name": "Video & Live Media Streaming",
    "path": [
      "Computers & Electronics",
      "Telecommunications",
      "Internet",
      "Websites & Digital Content",
      "File Hosting & Sharing",
      "Video & Live Media Streaming"
    ],
    "idpath": [
      "bdc03d860e5f33c08146faa43487c1bd",
      "2712a67ea6c5398779d806a7a5f016eb",
      "bbd7a35fae11c6cde461e75bd99e1b1a",
      "78971b721e12d951c071b2e3d01c74e8",
      "25bd7afbfe29570a835b986b68518d79",
      "1a9587f016d90b4cfb0c473039c98f3a"
    ],
    "stats": {
      "social_relevance": 0.003922828,
      "social_idf": 5.3221781922
    },
    "facets": [
      [
        "domain",
        "facility"
      ],
      [
        "domain",
        "service"
      ]
    ]
  },
  "b2ba2d3dc01ec7dea4263ebd882f9e86": {
    "id": "b2ba2d3dc01ec7dea4263ebd882f9e86",
    "name": "Chatbots & Conversational Platforms",
    "path": [
      "Computers & Electronics",
      "Computers",
      "Computer Products",
      "Computer Software",
      "Apps",
      "Application Software",
      "Communications Software",
      "Messaging Software",
      "Chatbots & Conversational Platforms"
    ],
    "idpath": [
      "bdc03d860e5f33c08146faa43487c1bd",

```

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```

        "ed62d0b6672e5add702fd780ccd185d",
        "40cf7c7334801a84c1c52166595e3d7e",
        "3f1ff940a8bdeb0c9804a879f88f598e",
        "e4782eb0f978ded90481e2b177ead9c4",
        "3295dd2a46d67ca4c723c481dac6ed5f",
        "2f15d4c34b296dee69c2fab67cfe11e6",
        "d039be7ef56e1a2d07e6dfb7509052ba",
        "b2ba2d3dc01ec7dea4263ebd882f9e86"
    ],
    "stats": {
        "social_relevance": 1.29076e-5,
        "social_idf": 11.0389276407
    },
    "facets": []
},
"71a84c532ab6124052e5b92f85dc5dd8": {
    "id": "71a84c532ab6124052e5b92f85dc5dd8",
    "name": "Keywords",
    "path": [
        "Business & Industrial",
        "Advertising & Marketing",
        "Advertising & Marketing Services",
        "Internet Advertising & Marketing",
        "Internet Advertising & Marketing [No Strategy Specified]",
        "Keywords"
    ],
    "idpath": [
        "93ae18acd5845912d0719cf14e34fff0",
        "4a90604ecbb8e54663f84f59ce4350c1",
        "ab0630bafba120dedbb788c0b8d33091",
        "56ee67cc2683e5c1e5dcf113f835fddb",
        "c4b046136fcb9ae7bc9df7a1b4f6afe3",
        "71a84c532ab6124052e5b92f85dc5dd8"
    ],
    "stats": {
        "social_relevance": 2.89619e-5,
        "social_idf": 10.2307652092
    },
    "facets": []
},
"c29f157a195759a39cc27e7c540cd4d9": {
    "id": "c29f157a195759a39cc27e7c540cd4d9",
    "name": "Scientists",
    "path": [
        "Sciences & Humanities",
        "Science",
        "Science [No Branch Specified]",
        "Scientists"
    ],
    "idpath": [
        "9c15c34150b7e723fea0eb4b12878947",
        "9954bdf75b1d9c9abde66f5fa8d8754f",
        "3b54651274fcca46f708592533817b4",
        "c29f157a195759a39cc27e7c540cd4d9"
    ],
    "stats": {
        "social_relevance": 0.0001907889,

```

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```

        "social_idf": 8.3455786733
      },
      "facets": []
    },
    "fc2b4234fdf6b60d01daa7e34d8b5bae": {
      "id": "fc2b4234fdf6b60d01daa7e34d8b5bae",
      "name": "Publicis Groupe",
      "path": [
        "Business & Industrial",
        "Advertising & Marketing",
        "Advertising & Marketing Services",
        "Advertising & Marketing Services [No Media Type Specified]",
        "Advertising & Marketing Services [No Industry or Demographic_
↵Specified]",
        "Advertising & Marketing Agencies",
        "Publicis Groupe"
      ],
      "idpath": [
        "93ae18acd5845912d0719cf14e34fff0",
        "4a90604ecbb8e54663f84f59ce4350c1",
        "ab0630bafba120dedbb788c0b8d33091",
        "014c8b620691495410e338d79143c579",
        "8bc5d713c6c3637d379d216d56e36a6e",
        "12bcf2eeb20bbcb300f78e06378d5df9",
        "fc2b4234fdf6b60d01daa7e34d8b5bae"
      ],
      "stats": {
        "social_relevance": 1.2201e-6,
        "social_idf": 13.3977935696
      },
      "facets": []
    },
    "6c7d1b5fbb00b32a1132007c9c851995": {
      "id": "6c7d1b5fbb00b32a1132007c9c851995",
      "name": "Kantar",
      "path": [
        "Business & Industrial",
        "Advertising & Marketing",
        "Advertising & Marketing Services",
        "Advertising & Marketing Services [No Media Type Specified]",
        "Advertising & Marketing Services [No Industry or Demographic_
↵Specified]",
        "Advertising & Marketing Agencies",
        "WPP",
        "Kantar"
      ],
      "idpath": [
        "93ae18acd5845912d0719cf14e34fff0",
        "4a90604ecbb8e54663f84f59ce4350c1",
        "ab0630bafba120dedbb788c0b8d33091",
        "014c8b620691495410e338d79143c579",
        "8bc5d713c6c3637d379d216d56e36a6e",
        "12bcf2eeb20bbcb300f78e06378d5df9",
        "8b3342227d08018b0171b0c661b9f996",
        "6c7d1b5fbb00b32a1132007c9c851995"
      ],
      "stats": {

```

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```

        "social_relevance": 5.78e-7,
        "social_idf": 14.1450079714
    },
    "facets": []
},
"34d5bf8766845bf437fe3c69663692f2": {
    "id": "34d5bf8766845bf437fe3c69663692f2",
    "name": "Customer Service",
    "path": [
        "Business & Industrial",
        "General Business & Industrial",
        "General Business & Industrial Services",
        "General Business Services",
        "Business Operations, Management, & Support Services",
        "Business Operations & Management",
        "Customer Relations",
        "Customer Service"
    ],
    "idpath": [
        "93ae18acd5845912d0719cf14e34fff0",
        "85223b2c100418dea4b61c33ca47f862",
        "63ad16a5babfd448801877882fee0516",
        "60876790b7febe9ceaa6cc623cad9c20",
        "71a8e104f880da61fb5cc3db0e10ec3c",
        "a42adf2a895dd4d471b9391e072fc687",
        "8599dc1f0e4ecf0e18102c9d18f42363",
        "34d5bf8766845bf437fe3c69663692f2"
    ],
    "stats": {
        "social_relevance": 0.0002349703,
        "social_idf": 8.1372873837
    },
    "facets": []
},
"9bfd0bb46baa2306a253f745cec5b1f7": {
    "id": "9bfd0bb46baa2306a253f745cec5b1f7",
    "name": "Surveys",
    "path": [
        "Sciences & Humanities",
        "Science",
        "Social Sciences",
        "Sociology",
        "Sociological Research Methods",
        "Surveys"
    ],
    "idpath": [
        "9c15c34150b7e723fea0eb4b12878947",
        "9954bdf75b1d9c9abde66f5fa8d8754f",
        "c270f6632e37fe26329d9af4a515122c",
        "f3df44a5265aff3cfda548122add9271",
        "58a43bc17febd6642724d8acafec7275",
        "9bfd0bb46baa2306a253f745cec5b1f7"
    ],
    "stats": {
        "social_relevance": 0.0001555337,
        "social_idf": 8.5498836246
    },
}

```

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```

        "facets": []
      }
    },
    "entities": [],
    "sentiment": 0.61099622641509,
    "chars": 5663,
    "overlay": {
      "6981e993569ba5af3cc14d7c3a05fc76": {
        "IAB_v2.0_2018": [
          [
            [
              "52",
              "Business and Finance"
            ],
            [
              "53",
              "Business and Finance::Business"
            ]
          ],
          [
            [
              "90",
              "Business and Finance::Industries"
            ],
            [
              "91",
              "Business and Finance::Industries::Advertising"
            ]
          ],
          [
            [
              "58",
              "Business and Finance::Business::Marketing and"
            ]
          ],
          [
            [
              "602",
              "Technology & Computing::Computing::Computer Software"
            ]
          ]
        ]
      },
      "1a9587f016d90b4cfb0c473039c98f3a": {
        "IAB_v2.0_2018": [
          [
            [
              "632",
              "Technology & Computing::Consumer Electronics"
            ],
            [
              "596",
              "Technology & Computing"
            ]
          ],
          [
            [

```

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```

        [
            "116",
            "Business and Finance::Industries::Telecommunications_
↔Industry"
        ],
        [
            [
                "619",
                "Technology & Computing::Computing::Internet"
            ]
        ]
    ],
    },
    "b2ba2d3dc01ec7dea4263ebd882f9e86": {
        "IAB_v2.0_2018": [
            [
                [
                    "632",
                    "Technology & Computing::Consumer Electronics"
                ],
                [
                    "596",
                    "Technology & Computing"
                ]
            ],
            [
                [
                    "599",
                    "Technology & Computing::Computing"
                ]
            ],
            [
                [
                    "602",
                    "Technology & Computing::Computing::Computer Software_
↔and Applications"
                ]
            ]
        ]
    },
    "71a84c532ab6124052e5b92f85dc5dd8": {
        "IAB_v2.0_2018": [
            [
                [
                    "52",
                    "Business and Finance"
                ],
                [
                    "53",
                    "Business and Finance::Business"
                ]
            ],
            [
                [
                    "90",
                    "Business and Finance::Industries"
                ]
            ]
        ]
    }
}

```

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```

        ],
        [
            "91",
            "Business and Finance::Industries::Advertising",
↪Industry"
        ],
        [
            "58",
            "Business and Finance::Business::Marketing and",
↪Advertising"
        ]
    ]
},
    "c29f157a195759a39cc27e7c540cd4d9": {
        "IAB_v2.0_2018": [
            [
                [
                    "464",
                    "Science"
                ]
            ]
        ],
    },
    "fc2b4234fdf6b60d01daa7e34d8b5bae": {
        "IAB_v2.0_2018": [
            [
                [
                    "52",
                    "Business and Finance"
                ],
                [
                    "53",
                    "Business and Finance::Business"
                ]
            ],
        ],
        [
            [
                "90",
                "Business and Finance::Industries"
            ],
            [
                "91",
                "Business and Finance::Industries::Advertising",
↪Industry"
            ],
            [
                "58",
                "Business and Finance::Business::Marketing and",
↪Advertising"
            ]
        ]
    },
    "6c7d1b5fbb00b32a1132007c9c851995": {
        "IAB_v2.0_2018": [

```

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```

        [
            "52",
            "Business and Finance"
        ],
        [
            "53",
            "Business and Finance::Business"
        ]
    ],
    [
        [
            "90",
            "Business and Finance::Industries"
        ],
        [
            "91",
            "Business and Finance::Industries::Advertising"
        ]
    ],
    [
        [
            "58",
            "Business and Finance::Business::Marketing and"
        ]
    ]
    ]
},
"34d5bf8766845bf437fe3c69663692f2": {
    "IAB_v2.0_2018": [
        [
            [
                "52",
                "Business and Finance"
            ],
            [
                "53",
                "Business and Finance::Business"
            ]
        ],
        [
            [
                "62",
                "Business and Finance::Business::Business"
            ],
            [
                "73",
                "Business and Finance::Business::Business Operations"
            ]
        ],
        [
            [
                "76",
                "Business and Finance::Business::Executive Leadership"
            ]
        ]
    ]
},

```

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```
        [
          [
            "74",
            "Business and Finance::Business::Consumer Issues"
          ]
        ]
      ],
      "9bfd0bb46baa2306a253f745cec5b1f7": {
        "IAB_v2.0_2018": [
          [
            [
              "464",
              "Science"
            ]
          ]
        ]
      }
    },
    "signature": {
      "resource": "POST \\/classify\\/:type\\/:result_id",
      "status": "200 OK - successful",
      "client_ip": "209.41.117.158"
    }
  }
}
```

### Keyword Search Calls

- *POST keywords/search*
  - *Resource URL*
  - *Parameters*
  - *Example Request By Keyword*
    - \* *POST Request*
    - \* *POST Response*
  - *Example Request By Category*
    - \* *POST Request*
    - \* *POST Response*
- *GET keywords/search/:result\_id*
  - *Resource URL*
  - *Parameters*
  - *Example Request*
    - \* *GET Request*
    - \* *GET Response*

## 10.1 POST keywords/search

Execute a search of the eContext Keyword Dataset and retrieve matching keywords. Returns a result\_id to the GET keywords/search/:result\_id call. This call creates a new result resource that will be available for either 2 days or until

consumption.

This function accepts two distinct types of queries:

- By Category ("type": 0): Searches for keywords belonging to a specified category node (category only) or branch (category + descendants).
- By Keyword ("type": 1): Searches for keywords containing the words (including stemmed variants) of the input query.

See query and type description for formatting details.

### 10.1.1 Resource URL

<https://api.econtext.com/v2/keywords/search>

### 10.1.2 Parameters

Parameter	Type	Description
query ( <i>required</i> )	mixed	The query string, if search by Keyword, or an array of categories if searching by Category. If searching by Category, the query should be an array of key->value pairs where the key is the Category id and the value is a boolean, selecting the entire branch if set to <code>true</code> , or just the node, if set to <code>false</code> .
type ( <i>required</i> )	enum	What type of search is being performed. (0 = by Category, 1 = by Keyword)
filters ( <i>optional</i> )	array	Filters to be applied to this search. For more information please see section on <a href="#">Keyword Search Filters</a>
pagesize ( <i>optional</i> )	integer	The number of keywords to show on a single result page. Default value is 1,000
limit ( <i>optional</i> )	integer	The maximum number of keywords to return. There is a system maximum of 500,000. Default value is 25,000

### 10.1.3 Example Request By Keyword

#### POST Request

```
curl -X POST -u username:password --data-binary @keywords-search-a-input.json \
  --header "Content-type: application/json" \
  https://api.econtext.com/v2/keywords/search
```

The contents of `keywords-search-a-input.json`:

```
{
  "query": "hello world",
  "type": 1,
  "limit": 25000,
  "pagesize": 250,
  "filters": {
    "filters": [
      { "filter": 3, "value": [1, 2, 4, 16, 32, 64, 128, 256, 512], "invert": false }
    ]
  }
}
```



## POST Response

```
{
  "econtext": {
    "keywords": {
      "count": 4086,
      "pagesize": 250,
      "pages": 17,
      "limit": 25000,
      "searchid":
↪ "7765ebd5f81ee17bd79cf5fbf650fc1379cf5251f4a090006250b796331a668b"
    },
    "signature": {
      "resource": "GET /categories/map/:keyword",
      "status": "200 OK - successful",
      "client_ip": "127.0.0.1"
    }
  }
}
```

## 10.1.4 Example Request By Category

### POST Request

```
curl -X POST -u username:password --data-binary @keywords-search-b-input.json_
↪ \
--header "Content-type: application/json" \
https://api.econtext.com/v2/keywords/search
```

The contents of keywords-search-b-input.json:

```
{
  "query": {
    "ac0fb32ea52f2c1228592ad6598c2cc2": false,
    "eee9032c21b71047f1f3252565bfaf58": true
  },
  "type": 0,
  "limit": 25000,
  "pagesize": 20,
  "filters": {
    "filters": [
      { "filter": 3, "value": [1, 2, 4, 16, 32, 64, 128, 256, 512], "invert": false }
    ]
  }
}
```

### POST Response

```
{
  "econtext": {
    "keywords": {
      "count": 25000,
      "pagesize": 20,
      "pages": 1250,
```

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```

        "limit": 25000,
        "searchid":
↪ "63c48c6eb0e25572fdd0f872a04f60c6377365cb2e9687bbbe39631b258ec289"
    },
    "signature": {
        "resource": "GET /categories/map/:keyword",
        "status": "200 OK - successful",
        "client_ip": "127.0.0.1"
    }
}

```

## 10.2 GET keywords/search/:result\_id

Return keywords from the specified search. Each keyword contains a `category_id` that maps to a Category in the associated “categories” dictionary. A null value in the `category_id` indicates that the keyword is currently unmapped to the eContext Taxonomy.

### 10.2.1 Resource URL

[https://api.econtext.com/v2/keywords/search/:result\\_id](https://api.econtext.com/v2/keywords/search/:result_id)

### 10.2.2 Parameters

Parameter	Type	Description
<code>result_id</code> ( <i>required</i> )	string	The identifier specifying which search to return results from. The <code>result_id</code> is included in the response from a successful <b>POST</b> <code>keywords/search</code> call.
<code>page</code> ( <i>optional</i> )	integer	Specify which page to retrieve results from. If no page is specified, a default value of 1 is used. Indexing for pages begins at 1.

### 10.2.3 Example Request

#### GET Request

```

curl -X GET -u username:password \
https://api.econtext.com/v2/keywords/search/63c48c6eb0e25572fdd0f872a04f60c6377365cb2e9687bbbe39631b258ec289
page=1

```

#### GET Response

```

{
  "econtext": {
    "keywords": {
      "cursor": {
        "pages": 1250,

```

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```
"current": 1,
"next": 2
},
"keywords": [
  {
    "keyword": "breaking bad",
    "volume": 1680000,
    "category_id": "ac0fb32ea52f2c1228592ad6598c2cc2"
  },
  {
    "keyword": "breaking-bad",
    "volume": 412500,
    "category_id": "ac0fb32ea52f2c1228592ad6598c2cc2"
  },
  {
    "keyword": "breaking bad season 6",
    "volume": 82500,
    "category_id": "ac0fb32ea52f2c1228592ad6598c2cc2"
  },
  {
    "keyword": "breaking bad cast",
    "volume": 67875,
    "category_id": "ac0fb32ea52f2c1228592ad6598c2cc2"
  },
  {
    "keyword": "breaking bad season 5",
    "volume": 37125,
    "category_id": "ac0fb32ea52f2c1228592ad6598c2cc2"
  },
  {
    "keyword": "breaking bad recap",
    "volume": 24825,
    "category_id": "ac0fb32ea52f2c1228592ad6598c2cc2"
  },
  {
    "keyword": "breaking bad wiki",
    "volume": 24825,
    "category_id": "ac0fb32ea52f2c1228592ad6598c2cc2"
  },
  {
    "keyword": "breaking bad alternate ending",
    "volume": 20325,
    "category_id": "ac0fb32ea52f2c1228592ad6598c2cc2"
  },
  {
    "keyword": "breaking bad episodes",
    "volume": 20325,
    "category_id": "ac0fb32ea52f2c1228592ad6598c2cc2"
  },
  {
    "keyword": "breaking bad season 1",
    "volume": 20325,
    "category_id": "ac0fb32ea52f2c1228592ad6598c2cc2"
  },
  {
    "keyword": "breaking bad season 5 episode 9",
    "volume": 20325,
```

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```

    "category_id": "ac0fb32ea52f2c1228592ad6598c2cc2"
  },
  {
    "keyword": "breaking bad action figures",
    "volume": 16650,
    "category_id": "ac0fb32ea52f2c1228592ad6598c2cc2"
  },
  {
    "keyword": "breaking bad review",
    "volume": 16650,
    "category_id": "ac0fb32ea52f2c1228592ad6598c2cc2"
  },
  {
    "keyword": "breaking bad season 2",
    "volume": 16650,
    "category_id": "ac0fb32ea52f2c1228592ad6598c2cc2"
  },
  {
    "keyword": "breaking bad season 5 episode 13",
    "volume": 16650,
    "category_id": "ac0fb32ea52f2c1228592ad6598c2cc2"
  },
  {
    "keyword": "breaking bad season 5 episode 14",
    "volume": 16650,
    "category_id": "ac0fb32ea52f2c1228592ad6598c2cc2"
  },
  {
    "keyword": "how many seasons of breaking bad",
    "volume": 16650,
    "category_id": "ac0fb32ea52f2c1228592ad6598c2cc2"
  },
  {
    "keyword": "breaking bad complete series",
    "volume": 13575,
    "category_id": "ac0fb32ea52f2c1228592ad6598c2cc2"
  },
  {
    "keyword": "breaking bad merchandise",
    "volume": 13575,
    "category_id": "ac0fb32ea52f2c1228592ad6598c2cc2"
  },
  {
    "keyword": "breaking bad poster",
    "volume": 13575,
    "category_id": "ac0fb32ea52f2c1228592ad6598c2cc2"
  }
],
"categories": {
  "ac0fb32ea52f2c1228592ad6598c2cc2": {
    "id": "ac0fb32ea52f2c1228592ad6598c2cc2",
    "name": "Breaking Bad",
    "path": [
      "Arts & Entertainment",
      "Movies & Television",
      "Movie & TV Products",
      "TV",

```

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```
    "Drama TV Shows",
    "Breaking Bad"
  ],
  "idpath": [
    "0cc9e1516aaa38d4802a2ee5314ac4ab",
    "06b7167107de9cff93e6738da9c044c4",
    "8e4e953b861d4597cb5fae3b7de67ce5",
    "b3728edb10af57dfbd941132f0c932ae",
    "153fd544b9063cfdbe86aaf1b04882b4",
    "ac0fb32ea52f2c1228592ad6598c2cc2"
  ],
  "stats": {
    "social_relevance": 0.0000381826,
    "social_idf": 21067.359562841
  }
}
},
"signature": {
  "resource": "GET /keywords/search/:search_id",
  "status": "200 OK - successful",
  "client_ip": "127.0.0.1"
}
}
```



### User Calls

- *GET user/attributes*
  - *Resource URL*
  - *Example Request*
    - \* *GET Request*
    - \* *GET Response*
- *GET user/usage*
  - *Resource URL*
  - *Example Request*
    - \* *GET Request*
    - \* *GET Response*

## 11.1 GET user/attributes

Return eContext user information including tier depth visibility and user roles.

### 11.1.1 Resource URL

<https://api.econtext.com/v2/user/attributes>

### 11.1.2 Example Request

## GET Request

```
curl -X GET -u username:password https://api.econtext.com/v2/user/attributes
```

## GET Response

```
{
  "econtext": {
    "user": {
      "attributes": {
        "account_id": "BJHba7T1c7JmUrMOAwDIp",
        "username": "31bc9229f61ebfa4782036bda",
        "group": "regular",
        "tier_depth": 4
      }
    },
    "signature": {
      "resource": "GET /categories/map/:keyword",
      "status": "200 OK - successful",
      "client_ip": "127.0.0.1"
    }
  }
}
```

## 11.2 GET user/usage

Return API usage for the current billing cycle.

### 11.2.1 Resource URL

<https://api.econtext.com/v2/user/usage>

### 11.2.2 Example Request

#### GET Request

```
curl -X GET -u username:password https://api.econtext.com/v2/user/usage
```

#### GET Response

```
{
  "econtext": {
    "user": {
      "end_date": "2018-01-01",
      "start_date": "2018-01-31",
      "total_usage": 495,
      "usage": {
        "21i213ij211ijzzea23ijadf2": {
          "2016-07-05": {
```

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```
    "api.classify.social": 45,  
    "api.categories.map": 16  
  },  
  "2016-07-06": {  
    "api.classify.social": 306,  
    "api.classify.url": 9  
  },  
  "2016-07-07": {  
    "api.classify.url": 21,  
    "api.classify.social": 50,  
    "api.categories.search": 1  
  },  
  "2016-07-08": {  
    "api.classify.social": 43,  
    "api.classify.keywords": 3,  
    "api.classify.url": 1  
  }  
}  
}  
},  
"signature": {  
  "resource": "GET /user/usage",  
  "status": "200 OK - successful",  
  "client_ip": "127.0.0.1"  
}  
}
```



### Custom Taxonomies

- *GET /user/taxonomies*
  - *Resource URL*
  - *Example Request*
    - \* *GET Request*
    - \* *GET Response*
- *POST /user/taxonomy*
  - *Resource URL*
  - *Parameters*
  - *Return*
  - *Example Request*
    - \* *POST Request*
    - \* *POST Response*
- *GET /user/taxonomy*
  - *Resource URL*
  - *Parameters*
  - *Example Request*
    - \* *GET Request*
    - \* *GET Response*
- *DELETE /user/taxonomy/:dataset\_id*

- *Resource URL*
- *Parameters*
- *Example Request*
  - \* *DELETE Request*
  - \* *DELETE Response*

You can use our taxonomy engine to run against a much smaller custom taxonomy that you create and control directly.

## 12.1 GET /user/taxonomies

Retrieve a list of publicly available taxonomies and private custom taxonomies

### 12.1.1 Resource URL

<https://api.econtext.com/v2/user/taxonomies>

### 12.1.2 Example Request

#### GET Request

```
curl -X GET -u username:password https://api.econtext.com/v2/user/taxonomies
```

#### GET Response

```
{
  "econtext": {
    "user": {
      "private": {
        "Colors": "604962c585d0bbf9724d03110effbe64f6289bd04fa3d65da4b03dfc06d0ddf5"
      },
      "public": []
    },
    "signature": {
      "resource": "GET /user/taxonomies",
      "status": "200 OK - successful",
      "client_ip": "127.0.0.1"
    }
  }
}
```

## 12.2 POST /user/taxonomy

Create a new taxonomy in the eContext system that can be used to classify content. The data structure used to create the taxonomy is a hierarchically organized list of node objects. Each node object contains a “name”; a “positive\_vocabs” list; a “negative\_vocabs” list; and “nodes”, a list of node objects that are children of the current node object.

## 12.2.1 Resource URL

<https://api.econtext.com/v2/user/taxonomy>

## 12.2.2 Parameters

Parameter	Type	Description
name ( <i>required</i> )	string	A name used to identify your taxonomy
nodes ( <i>required</i> )	array	A nested array containing the taxonomy structure to create
public	boolean	Create a publicly available taxonomy (admin only)

## 12.2.3 Return

The result will return a *dataset\_id* which is a globally unique identifier for the new taxonomy.

## 12.2.4 Example Request

Create a new “Colors” taxonomy that can then be used in classification tasks.

### POST Request

```
curl -X POST -u username:password --data-binary @user-taxonomy-input.json \
--header "Content-type: application/json" \
https://api.econtext.com/v2/user/taxonomy
```

The contents of `user-taxonomy-input.json`:

```
{
  "name": "Colors",
  "nodes": [
    { "name": "Pink", "negative_vocab": [], "positive_vocab": ["Pink"], "nodes": [
      { "name": "Light Pink", "negative_vocab": [], "positive_vocab": ["Light Pink",
↵ ]},
      { "name": "Hot Pink", "negative_vocab": [], "positive_vocab": ["Hot Pink"]},
      { "name": "Deep Pink", "negative_vocab": [], "positive_vocab": ["Deep Pink"]},
      { "name": "Pale Violet Red", "negative_vocab": [], "positive_vocab": ["Pale_
↵ Violet Red"]},
      { "name": "Medium Violet Red", "negative_vocab": [], "positive_vocab": [
↵ "Medium Violet Red"]}
    ]},
    { "name": "Red", "negative_vocab": [], "positive_vocab": ["Red"], "nodes": [
      { "name": "Salmon", "negative_vocab": [], "positive_vocab": ["Salmon"], "nodes": [
↵ : [
      { "name": "Dark Salmon", "negative_vocab": [], "positive_vocab": ["Dark_
↵ Salmon"]},
      { "name": "Light Salmon", "negative_vocab": [], "positive_vocab": ["Light_
↵ Salmon"]}
    ]},
      { "name": "Light Coral", "negative_vocab": [], "positive_vocab": ["Light Coral",
↵ ]},
      { "name": "Indian Red", "negative_vocab": [], "positive_vocab": ["Indian Red",
↵ ]},
    ]}
  ]
}
```

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```

        {"name":"Crimson", "negative_vocab":[], "positive_vocab":["Crimson"]},
        {"name":"Fire Brick", "negative_vocab":[], "positive_vocab":["Fire Brick
↪"]},
        {"name":"Dark Red", "negative_vocab":[], "positive_vocab":["Dark Red"]}
    ]},
    {"name":"Orange", "negative_vocab":[], "positive_vocab":["Orange"], "nodes":[
        {"name":"Orange Red", "negative_vocab":[], "positive_vocab":["Orange Red
↪"]},
        {"name":"Tomato", "negative_vocab":[], "positive_vocab":["Tomato"]},
        {"name":"Coral", "negative_vocab":[], "positive_vocab":["Coral"]},
        {"name":"Dark Orange", "negative_vocab":[], "positive_vocab":["Dark Orange
↪"]}
    ]},
    {"name":"Yellow", "negative_vocab":[], "positive_vocab":["Yellow"], "nodes":[
        {"name":"Light Yellow", "negative_vocab":[], "positive_vocab":["Light_
↪Yellow"]},
        {"name":"Lemon Chiffon", "negative_vocab":[], "positive_vocab":["Lemon_
↪Chiffon"]},
        {"name":"Light Goldenrod Yellow", "negative_vocab":[], "positive_vocab":["
↪Light Goldenrod Yellow"]},
        {"name":"Pale Goldenrod", "negative_vocab":[], "positive_vocab":["Pale_
↪Goldenrod"]},
        {"name":"Papaya Whip", "negative_vocab":[], "positive_vocab":["Papaya Whip
↪"]},
        {"name":"Moccasin", "negative_vocab":[], "positive_vocab":["Moccasin"]},
        {"name":"Peach Puff", "negative_vocab":[], "positive_vocab":["Peach Puff
↪"]},
        {"name":"Khaki", "negative_vocab":[], "positive_vocab":["Khaki"]},
        {"name":"Dark Khaki", "negative_vocab":[], "positive_vocab":["Dark Khaki
↪"]},
        {"name":"Gold", "negative_vocab":[], "positive_vocab":["Gold"]}
    ]},
    {"name":"Brown", "negative_vocab":[], "positive_vocab":["Brown"], "nodes":[
        {"name":"Cornsilk", "negative_vocab":[], "positive_vocab":["Cornsilk"]},
        {"name":"Blanched Almond", "negative_vocab":[], "positive_vocab":["
↪Blanched Almond"]},
        {"name":"Bisque", "negative_vocab":[], "positive_vocab":["Bisque"]},
        {"name":"Navajo White", "negative_vocab":[], "positive_vocab":["Navajo_
↪White"]},
        {"name":"Wheat", "negative_vocab":[], "positive_vocab":["Wheat"]},
        {"name":"Burly Wood", "negative_vocab":[], "positive_vocab":["Burly Wood
↪"]},
        {"name":"Tan", "negative_vocab":[], "positive_vocab":["Tan"]},
        {"name":"Rosy Brown", "negative_vocab":[], "positive_vocab":["Rosy Brown
↪"]},
        {"name":"Sandy Brown", "negative_vocab":[], "positive_vocab":["Sandy Brown
↪"]},
        {"name":"Goldenrod", "negative_vocab":[], "positive_vocab":["Goldenrod"],
↪"nodes":[
            {"name":"Dark Goldenrod", "negative_vocab":[], "positive_vocab":["
↪Dark Goldenrod"]}
        ]},
        {"name":"Peru", "negative_vocab":[], "positive_vocab":["Peru"]},
        {"name":"Chocolate", "negative_vocab":[], "positive_vocab":["Chocolate"]},
        {"name":"Saddle Brown", "negative_vocab":[], "positive_vocab":["Saddle_
↪Brown"]},
        {"name":"Sienna", "negative_vocab":[], "positive_vocab":["Sienna"]}

```

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```

        {"name":"Maroon", "negative_vocab":[], "positive_vocab":["Maroon"]}
    ]},
    {"name":"Green", "negative_vocab":[], "positive_vocab":["Green"], "nodes": [
        {"name":"Olive", "negative_vocab":[], "positive_vocab":["Olive"], "nodes
↪": [
            {"name":"Olive Drab", "negative_vocab":[], "positive_vocab":["Olive_
↪Drab"]}},
            {"name":"Dark Olive Green", "negative_vocab":[], "positive_vocab": [
↪"Dark Olive Green"]}
        ]},
        {"name":"Yellow Green", "negative_vocab":[], "positive_vocab":["Yellow_
↪Green"]},
        {"name":"Green Yellow", "negative_vocab":[], "positive_vocab":["Green_
↪Yellow"]},
        {"name":"Lime", "negative_vocab":[], "positive_vocab":["Lime"], "nodes": [
↪Green"]
            {"name":"Lime Green", "negative_vocab":[], "positive_vocab":["Lime_
↪Green"]}
        ]},
        {"name":"Lawn Green", "negative_vocab":[], "positive_vocab":["Lawn Green
↪"]},
        {"name":"Chartreuse", "negative_vocab":[], "positive_vocab":["Chartreuse
↪"]},
        {"name":"Spring Green", "negative_vocab":[], "positive_vocab":["Spring_
↪Green"], "nodes": [
            {"name":"Medium Spring Green", "negative_vocab":[], "positive_vocab": [
↪"Medium Spring Green"]}
        ]},
        {"name":"Light Green", "negative_vocab":[], "positive_vocab":["Light Green
↪"]},
        {"name":"Pale Green", "negative_vocab":[], "positive_vocab":["Pale Green
↪"]},
        {"name":"Sea Green", "negative_vocab":[], "positive_vocab":["Sea Green"],
↪"nodes": [
            {"name":"Medium Sea Green", "negative_vocab":[], "positive_vocab": [
↪"Medium Sea Green"]},
            {"name":"Dark Sea Green", "negative_vocab":[], "positive_vocab": [
↪"Dark Sea Green"]}
        ]},
        {"name":"Medium Aquamarine", "negative_vocab":[], "positive_vocab": [
↪"Medium Aquamarine"]},
        {"name":"Forest Green", "negative_vocab":[], "positive_vocab":["Forest_
↪Green"]},
        {"name":"Dark Green", "negative_vocab":[], "positive_vocab":["Dark Green
↪"]}
    ]},
    {"name":"Cyan", "negative_vocab":[], "positive_vocab":["Cyan"], "nodes": [
        {"name":"Aqua", "negative_vocab":[], "positive_vocab":["Aqua"]},
        {"name":"Light Cyan", "negative_vocab":[], "positive_vocab":["Light Cyan
↪"]},
        {"name":"Aquamarine", "negative_vocab":[], "positive_vocab":["Aquamarine
↪"]},
        {"name":"Turquoise", "negative_vocab":[], "positive_vocab":["Turquoise"],
↪"nodes": [
            {"name":"Pale Turquoise", "negative_vocab":[], "positive_vocab": [
↪"Pale Turquoise"]},
            {"name":"Medium Turquoise", "negative_vocab":[], "positive_vocab": [
↪"Medium Turquoise"]}
        ]},

```

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```

        {"name":"Dark Turquoise", "negative_vocab":[], "positive_vocab":[
↪"Dark Turquoise"]}]
    ]},
    {"name":"Light Sea Green", "negative_vocab":[], "positive_vocab":["Light_
↪Sea Green"]},
    {"name":"Cadet Blue", "negative_vocab":[], "positive_vocab":["Cadet Blue
↪"]}],
    {"name":"Dark Cyan", "negative_vocab":[], "positive_vocab":["Dark Cyan"]},
    {"name":"Teal", "negative_vocab":[], "positive_vocab":["Teal"]}]
  ]},
  {"name":"Blue", "negative_vocab":[], "positive_vocab":["Blue"], "nodes":[
↪ {"name":"Powder Blue", "negative_vocab":[], "positive_vocab":["Powder Blue
↪"]}],
    {"name":"Light Blue", "negative_vocab":[], "positive_vocab":["Light Blue
↪"]}],
    {"name":"Sky Blue", "negative_vocab":[], "positive_vocab":["Sky Blue"],
↪ "nodes":[
        {"name":"Light Sky Blue", "negative_vocab":[], "positive_vocab":[
↪"Light Sky Blue"]}],
        {"name":"Deep Sky Blue", "negative_vocab":[], "positive_vocab":["Deep_
↪Sky Blue"]}]
    ]},
    {"name":"Dodger Blue", "negative_vocab":[], "positive_vocab":["Dodger Blue
↪"]}],
    {"name":"Cornflower Blue", "negative_vocab":[], "positive_vocab":[
↪"Cornflower Blue"]},
    {"name":"Steel Blue", "negative_vocab":[], "positive_vocab":["Steel Blue
↪"], "nodes":[
        {"name":"Light Steel Blue", "negative_vocab":[], "positive_vocab":[
↪"Light Steel Blue"]}]
    ]},
    {"name":"Royal Blue", "negative_vocab":[], "positive_vocab":["Royal Blue
↪"]}],
    {"name":"Medium Blue", "negative_vocab":[], "positive_vocab":["Medium Blue
↪"]}],
    {"name":"Dark Blue", "negative_vocab":[], "positive_vocab":["Dark Blue"]},
    {"name":"Navy", "negative_vocab":[], "positive_vocab":["Navy"]},
    {"name":"Midnight Blue", "negative_vocab":[], "positive_vocab":["Midnight_
↪Blue"]}]
  ]},
  {"name":"Purple, violet, and magenta colors", "negative_vocab":[], "positive_
↪vocab":["purple", "violet", "magenta"], "nodes":[
    {"name":"Lavender", "negative_vocab":[], "positive_vocab":["Lavender"]},
    {"name":"Thistle", "negative_vocab":[], "positive_vocab":["Thistle"]},
    {"name":"Plum", "negative_vocab":[], "positive_vocab":["Plum"]},
    {"name":"Fuchsia", "negative_vocab":[], "positive_vocab":["Fuchsia"]},
    {"name":"Orchid", "negative_vocab":[], "positive_vocab":["Orchid"], "nodes
↪":[
        {"name":"Medium Orchid", "negative_vocab":[], "positive_vocab":[
↪"Medium Orchid"]},
        {"name":"Dark Orchid", "negative_vocab":[], "positive_vocab":["Dark_
↪Orchid"]}]
    ]},
    {"name":"Medium Purple", "negative_vocab":[], "positive_vocab":["Medium_
↪Purple"]}],
    {"name":"Violet", "negative_vocab":[], "positive_vocab":["Violet"], "nodes
↪":[

```

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```

        {"name":"Blue Violet", "negative_vocab":[], "positive_vocab":["Blue_
↪Violet"]},
        {"name":"Dark Violet", "negative_vocab":[], "positive_vocab":["Dark_
↪Violet"]}
    ]},
    {"name":"Magenta", "negative_vocab":[], "positive_vocab":["Magenta"],
↪"nodes":[
        {"name":"Dark Magenta", "negative_vocab":[], "positive_vocab":["Dark_
↪Magenta"]}
    ]},
    {"name":"Purple", "negative_vocab":[], "positive_vocab":["Purple"]},
    {"name":"Indigo", "negative_vocab":[], "positive_vocab":["Indigo"]},
    {"name":"Slate Blue", "negative_vocab":[], "positive_vocab":["Slate Blue
↪"], "nodes":[
        {"name":"Dark Slate Blue", "negative_vocab":[], "positive_vocab":[
↪"Dark Slate Blue"]},
        {"name":"Medium Slate Blue", "negative_vocab":[], "positive_vocab":[
↪"Medium Slate Blue"]}
    ]}
  ]},
  {"name":"White", "negative_vocab":[], "positive_vocab":["White"], "nodes":[
    {"name":"Snow", "negative_vocab":[], "positive_vocab":["Snow"]},
    {"name":"Honeydew", "negative_vocab":[], "positive_vocab":["Honeydew"]},
    {"name":"Mint Cream", "negative_vocab":[], "positive_vocab":["Mint Cream
↪"]},
    {"name":"Azure", "negative_vocab":[], "positive_vocab":["Azure"]},
    {"name":"Alice Blue", "negative_vocab":[], "positive_vocab":["Alice Blue
↪"]},
    {"name":"Ghost White", "negative_vocab":[], "positive_vocab":["Ghost White
↪"]},
    {"name":"White Smoke", "negative_vocab":[], "positive_vocab":["White Smoke
↪"]},
    {"name":"Seashell", "negative_vocab":[], "positive_vocab":["Seashell"]},
    {"name":"Beige", "negative_vocab":[], "positive_vocab":["Beige"]},
    {"name":"Old Lace", "negative_vocab":[], "positive_vocab":["Old Lace"]},
    {"name":"Floral White", "negative_vocab":[], "positive_vocab":["Floral_
↪White"]},
    {"name":"Ivory", "negative_vocab":[], "positive_vocab":["Ivory"]},
    {"name":"Antique White", "negative_vocab":[], "positive_vocab":["Antique_
↪White"]},
    {"name":"Linen", "negative_vocab":[], "positive_vocab":["Linen"]},
    {"name":"Lavender Blush", "negative_vocab":[], "positive_vocab":[
↪"Lavender Blush"]},
    {"name":"Misty Rose", "negative_vocab":[], "positive_vocab":["Misty Rose
↪"]}
  ]},
  {"name":"Gray and black colors", "negative_vocab":[], "positive_vocab":["grey
↪", "gray", "black"], "nodes":[
    {"name":"Gainsboro", "negative_vocab":[], "positive_vocab":["Gainsboro"]},
    {"name":"Light Grey", "negative_vocab":[], "positive_vocab":["Light Grey
↪"]},
    {"name":"Silver", "negative_vocab":[], "positive_vocab":["Silver"]},
    {"name":"Dark Gray", "negative_vocab":[], "positive_vocab":["Dark Gray"]},
    {"name":"Gray", "negative_vocab":[], "positive_vocab":["Gray"]},
    {"name":"Dim Gray", "negative_vocab":[], "positive_vocab":["Dim Gray"]},
    {"name":"Slate Gray", "negative_vocab":[], "positive_vocab":["Slate Gray
↪"], "nodes":[

```

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```

        {"name":"Light Slate Gray", "negative_vocab":[], "positive_vocab": [
↪ "Light Slate Gray"]},
        {"name":"Dark Slate Gray", "negative_vocab":[], "positive_vocab": [
↪ "Dark Slate Gray"]}
    ]},
    {"name":"Black", "negative_vocab":[], "positive_vocab":["Black"]}
  ]}
}

```

## POST Response

```

{
  "econtext": {
    "user": {
      "dataset_id": "604962c585d0bbf9724d03110effbe64f6289bd04fa3d65da4b03dfc06d0ddf5"
    },
    "signature": {
      "resource": "POST /user/taxonomy",
      "status": "200 OK - successful",
      "client_ip": "127.0.0.1"
    }
  }
}

```

## 12.3 GET /user/taxonomy

Retrieve a stored taxonomy

### 12.3.1 Resource URL

[https://api.econtext.com/v2/user/taxonomy/:dataset\\_id](https://api.econtext.com/v2/user/taxonomy/:dataset_id)

### 12.3.2 Parameters

Parameter	Type	Description
dataset_id ( <i>required</i> )	string	A globally unique custom taxonomy identifier

### 12.3.3 Example Request

#### GET Request

```
curl -X GET -u username:password https://api.econtext.com/v2/user/taxonomy/604962c585d0bbf9724d03110effbe64f6289bd04fa3d65da4b03dfc06d0ddf5
```

## GET Response

```

{
  "econtext": {
    "user": {
      "taxonomy": {
        "name": "Colors",
        "nodes": [
          {
            "name": "Pink",
            "negative_vocab": [],
            "positive_vocab": [
              "Pink"
            ]
          },
          {
            "name": "Light Pink",
            "negative_vocab": [],
            "positive_vocab": [
              "Light Pink"
            ]
          },
          {
            "name": "Hot Pink",
            "negative_vocab": [],
            "positive_vocab": [
              "Hot Pink"
            ]
          },
          {
            "name": "Deep Pink",
            "negative_vocab": [],
            "positive_vocab": [
              "Deep Pink"
            ]
          },
          {
            "name": "Pale Violet Red",
            "negative_vocab": [],
            "positive_vocab": [
              "Pale Violet Red"
            ]
          },
          {
            "name": "Medium Violet Red",
            "negative_vocab": [],
            "positive_vocab": [
              "Medium Violet Red"
            ]
          }
        ]
      },
      {
        "name": "Red",
        "negative_vocab": [],
        "positive_vocab": [
          "Red"
        ]
      }
    ]
  }
}

```

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```
],
  "nodes": [
    {
      "name": "Salmon",
      "negative_vocab": [],
      "positive_vocab": [
        "Salmon"
      ],
      "nodes": [
        {
          "name": "Dark Salmon",
          "negative_vocab": [],
          "positive_vocab": [
            "Dark Salmon"
          ]
        },
        {
          "name": "Light Salmon",
          "negative_vocab": [],
          "positive_vocab": [
            "Light Salmon"
          ]
        }
      ]
    }
  ],
  {
    "name": "Light Coral",
    "negative_vocab": [],
    "positive_vocab": [
      "Light Coral"
    ]
  },
  {
    "name": "Indian Red",
    "negative_vocab": [],
    "positive_vocab": [
      "Indian Red"
    ]
  },
  {
    "name": "Crimson",
    "negative_vocab": [],
    "positive_vocab": [
      "Crimson"
    ]
  },
  {
    "name": "Fire Brick",
    "negative_vocab": [],
    "positive_vocab": [
      "Fire Brick"
    ]
  },
  {
    "name": "Dark Red",
    "negative_vocab": [],
    "positive_vocab": [
```

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```

        "Dark Red"
      ]
    }
  ],
},
{
  "name": "Orange",
  "negative_vocab": [],
  "positive_vocab": [
    "Orange"
  ],
  "nodes": [
    {
      "name": "Orange Red",
      "negative_vocab": [],
      "positive_vocab": [
        "Orange Red"
      ]
    },
    {
      "name": "Tomato",
      "negative_vocab": [],
      "positive_vocab": [
        "Tomato"
      ]
    },
    {
      "name": "Coral",
      "negative_vocab": [],
      "positive_vocab": [
        "Coral"
      ]
    },
    {
      "name": "Dark Orange",
      "negative_vocab": [],
      "positive_vocab": [
        "Dark Orange"
      ]
    }
  ]
},
{
  "name": "Yellow",
  "negative_vocab": [],
  "positive_vocab": [
    "Yellow"
  ],
  "nodes": [
    {
      "name": "Light Yellow",
      "negative_vocab": [],
      "positive_vocab": [
        "Light Yellow"
      ]
    }
  ],
},
{

```

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```
    "name": "Lemon Chiffon",
    "negative_vocab": [],
    "positive_vocab": [
      "Lemon Chiffon"
    ]
  },
  {
    "name": "Light Goldenrod Yellow",
    "negative_vocab": [],
    "positive_vocab": [
      "Light Goldenrod Yellow"
    ]
  },
  {
    "name": "Pale Goldenrod",
    "negative_vocab": [],
    "positive_vocab": [
      "Pale Goldenrod"
    ]
  },
  {
    "name": "Papaya Whip",
    "negative_vocab": [],
    "positive_vocab": [
      "Papaya Whip"
    ]
  },
  {
    "name": "Moccasin",
    "negative_vocab": [],
    "positive_vocab": [
      "Moccasin"
    ]
  },
  {
    "name": "Peach Puff",
    "negative_vocab": [],
    "positive_vocab": [
      "Peach Puff"
    ]
  },
  {
    "name": "Khaki",
    "negative_vocab": [],
    "positive_vocab": [
      "Khaki"
    ]
  },
  {
    "name": "Dark Khaki",
    "negative_vocab": [],
    "positive_vocab": [
      "Dark Khaki"
    ]
  },
  {
    "name": "Gold",
```

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```

        "negative_vocab": [],
        "positive_vocab": [
            "Gold"
        ]
    }
]
},
{
    "name": "Brown",
    "negative_vocab": [],
    "positive_vocab": [
        "Brown"
    ],
    "nodes": [
        {
            "name": "Cornsilk",
            "negative_vocab": [],
            "positive_vocab": [
                "Cornsilk"
            ]
        },
        {
            "name": "Blanched Almond",
            "negative_vocab": [],
            "positive_vocab": [
                "Blanched Almond"
            ]
        },
        {
            "name": "Bisque",
            "negative_vocab": [],
            "positive_vocab": [
                "Bisque"
            ]
        },
        {
            "name": "Navajo White",
            "negative_vocab": [],
            "positive_vocab": [
                "Navajo White"
            ]
        },
        {
            "name": "Wheat",
            "negative_vocab": [],
            "positive_vocab": [
                "Wheat"
            ]
        },
        {
            "name": "Burly Wood",
            "negative_vocab": [],
            "positive_vocab": [
                "Burly Wood"
            ]
        }
    ]
}
{

```

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```
    "name": "Tan",
    "negative_vocab": [],
    "positive_vocab": [
      "Tan"
    ]
  },
  {
    "name": "Rosy Brown",
    "negative_vocab": [],
    "positive_vocab": [
      "Rosy Brown"
    ]
  },
  {
    "name": "Sandy Brown",
    "negative_vocab": [],
    "positive_vocab": [
      "Sandy Brown"
    ]
  },
  {
    "name": "Goldenrod",
    "negative_vocab": [],
    "positive_vocab": [
      "Goldenrod"
    ],
    "nodes": [
      {
        "name": "Dark Goldenrod",
        "negative_vocab": [],
        "positive_vocab": [
          "Dark Goldenrod"
        ]
      }
    ]
  },
  {
    "name": "Peru",
    "negative_vocab": [],
    "positive_vocab": [
      "Peru"
    ]
  },
  {
    "name": "Chocolate",
    "negative_vocab": [],
    "positive_vocab": [
      "Chocolate"
    ]
  },
  {
    "name": "Saddle Brown",
    "negative_vocab": [],
    "positive_vocab": [
      "Saddle Brown"
    ]
  },
},
```

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```

    {
      "name": "Sienna",
      "negative_vocab": [],
      "positive_vocab": [
        "Sienna"
      ]
    },
    {
      "name": "Maroon",
      "negative_vocab": [],
      "positive_vocab": [
        "Maroon"
      ]
    }
  ],
  {
    "name": "Green",
    "negative_vocab": [],
    "positive_vocab": [
      "Green"
    ],
    "nodes": [
      {
        "name": "Olive",
        "negative_vocab": [],
        "positive_vocab": [
          "Olive"
        ],
        "nodes": [
          {
            "name": "Olive Drab",
            "negative_vocab": [],
            "positive_vocab": [
              "Olive Drab"
            ]
          }
        ]
      },
      {
        "name": "Dark Olive Green",
        "negative_vocab": [],
        "positive_vocab": [
          "Dark Olive Green"
        ]
      }
    ]
  },
  {
    "name": "Yellow Green",
    "negative_vocab": [],
    "positive_vocab": [
      "Yellow Green"
    ]
  },
  {
    "name": "Green Yellow",
    "negative_vocab": [],
    "positive_vocab": [

```

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```

        "Green Yellow"
    ]
},
{
    "name": "Lime",
    "negative_vocab": [],
    "positive_vocab": [
        "Lime"
    ],
    "nodes": [
        {
            "name": "Lime Green",
            "negative_vocab": [],
            "positive_vocab": [
                "Lime Green"
            ]
        }
    ]
},
{
    "name": "Lawn Green",
    "negative_vocab": [],
    "positive_vocab": [
        "Lawn Green"
    ]
},
{
    "name": "Chartreuse",
    "negative_vocab": [],
    "positive_vocab": [
        "Chartreuse"
    ]
},
{
    "name": "Spring Green",
    "negative_vocab": [],
    "positive_vocab": [
        "Spring Green"
    ],
    "nodes": [
        {
            "name": "Medium Spring Green",
            "negative_vocab": [],
            "positive_vocab": [
                "Medium Spring Green"
            ]
        }
    ]
},
{
    "name": "Light Green",
    "negative_vocab": [],
    "positive_vocab": [
        "Light Green"
    ]
},
{

```

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```

    "name": "Pale Green",
    "negative_vocab": [],
    "positive_vocab": [
      "Pale Green"
    ]
  },
  {
    "name": "Sea Green",
    "negative_vocab": [],
    "positive_vocab": [
      "Sea Green"
    ]
  },
  "nodes": [
    {
      "name": "Medium Sea Green",
      "negative_vocab": [],
      "positive_vocab": [
        "Medium Sea Green"
      ]
    },
    {
      "name": "Dark Sea Green",
      "negative_vocab": [],
      "positive_vocab": [
        "Dark Sea Green"
      ]
    }
  ]
},
{
  "name": "Medium Aquamarine",
  "negative_vocab": [],
  "positive_vocab": [
    "Medium Aquamarine"
  ]
},
{
  "name": "Forest Green",
  "negative_vocab": [],
  "positive_vocab": [
    "Forest Green"
  ]
},
{
  "name": "Dark Green",
  "negative_vocab": [],
  "positive_vocab": [
    "Dark Green"
  ]
}
]
},
{
  "name": "Cyan",
  "negative_vocab": [],
  "positive_vocab": [
    "Cyan"
  ]
}

```

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```

],
"nodes": [
  {
    "name": "Aqua",
    "negative_vocab": [],
    "positive_vocab": [
      "Aqua"
    ]
  },
  {
    "name": "Light Cyan",
    "negative_vocab": [],
    "positive_vocab": [
      "Light Cyan"
    ]
  },
  {
    "name": "Aquamarine",
    "negative_vocab": [],
    "positive_vocab": [
      "Aquamarine"
    ]
  },
  {
    "name": "Turquoise",
    "negative_vocab": [],
    "positive_vocab": [
      "Turquoise"
    ]
  },
  "nodes": [
    {
      "name": "Pale Turquoise",
      "negative_vocab": [],
      "positive_vocab": [
        "Pale Turquoise"
      ]
    },
    {
      "name": "Medium Turquoise",
      "negative_vocab": [],
      "positive_vocab": [
        "Medium Turquoise"
      ]
    },
    {
      "name": "Dark Turquoise",
      "negative_vocab": [],
      "positive_vocab": [
        "Dark Turquoise"
      ]
    }
  ]
},
{
  "name": "Light Sea Green",
  "negative_vocab": [],
  "positive_vocab": [

```

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```

        "Light Sea Green"
    ]
},
{
    "name": "Cadet Blue",
    "negative_vocab": [],
    "positive_vocab": [
        "Cadet Blue"
    ]
},
{
    "name": "Dark Cyan",
    "negative_vocab": [],
    "positive_vocab": [
        "Dark Cyan"
    ]
},
{
    "name": "Teal",
    "negative_vocab": [],
    "positive_vocab": [
        "Teal"
    ]
}
],
{
    "name": "Blue",
    "negative_vocab": [],
    "positive_vocab": [
        "Blue"
    ],
    "nodes": [
        {
            "name": "Powder Blue",
            "negative_vocab": [],
            "positive_vocab": [
                "Powder Blue"
            ]
        },
        {
            "name": "Light Blue",
            "negative_vocab": [],
            "positive_vocab": [
                "Light Blue"
            ]
        },
        {
            "name": "Sky Blue",
            "negative_vocab": [],
            "positive_vocab": [
                "Sky Blue"
            ],
            "nodes": [
                {
                    "name": "Light Sky Blue",
                    "negative_vocab": [],

```

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```
        "positive_vocab": [
            "Light Sky Blue"
        ]
    },
    {
        "name": "Deep Sky Blue",
        "negative_vocab": [],
        "positive_vocab": [
            "Deep Sky Blue"
        ]
    }
]
},
{
    "name": "Dodger Blue",
    "negative_vocab": [],
    "positive_vocab": [
        "Dodger Blue"
    ]
},
{
    "name": "Cornflower Blue",
    "negative_vocab": [],
    "positive_vocab": [
        "Cornflower Blue"
    ]
},
{
    "name": "Steel Blue",
    "negative_vocab": [],
    "positive_vocab": [
        "Steel Blue"
    ],
    "nodes": [
        {
            "name": "Light Steel Blue",
            "negative_vocab": [],
            "positive_vocab": [
                "Light Steel Blue"
            ]
        }
    ]
},
{
    "name": "Royal Blue",
    "negative_vocab": [],
    "positive_vocab": [
        "Royal Blue"
    ]
},
{
    "name": "Medium Blue",
    "negative_vocab": [],
    "positive_vocab": [
        "Medium Blue"
    ]
},
},
```

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```

    {
      "name": "Dark Blue",
      "negative_vocab": [],
      "positive_vocab": [
        "Dark Blue"
      ]
    },
    {
      "name": "Navy",
      "negative_vocab": [],
      "positive_vocab": [
        "Navy"
      ]
    },
    {
      "name": "Midnight Blue",
      "negative_vocab": [],
      "positive_vocab": [
        "Midnight Blue"
      ]
    }
  ]
},
{
  "name": "Purple, violet, and magenta colors",
  "negative_vocab": [],
  "positive_vocab": [
    "purple",
    "violet",
    "magenta"
  ],
  "nodes": [
    {
      "name": "Lavender",
      "negative_vocab": [],
      "positive_vocab": [
        "Lavender"
      ]
    }
  ],
  {
    "name": "Thistle",
    "negative_vocab": [],
    "positive_vocab": [
      "Thistle"
    ]
  },
  {
    "name": "Plum",
    "negative_vocab": [],
    "positive_vocab": [
      "Plum"
    ]
  },
  {
    "name": "Fuchsia",
    "negative_vocab": [],
    "positive_vocab": [

```

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```

        "Fuchsia"
    ]
},
{
    "name": "Orchid",
    "negative_vocab": [],
    "positive_vocab": [
        "Orchid"
    ],
    "nodes": [
        {
            "name": "Medium Orchid",
            "negative_vocab": [],
            "positive_vocab": [
                "Medium Orchid"
            ]
        },
        {
            "name": "Dark Orchid",
            "negative_vocab": [],
            "positive_vocab": [
                "Dark Orchid"
            ]
        }
    ]
},
{
    "name": "Medium Purple",
    "negative_vocab": [],
    "positive_vocab": [
        "Medium Purple"
    ]
},
{
    "name": "Violet",
    "negative_vocab": [],
    "positive_vocab": [
        "Violet"
    ],
    "nodes": [
        {
            "name": "Blue Violet",
            "negative_vocab": [],
            "positive_vocab": [
                "Blue Violet"
            ]
        },
        {
            "name": "Dark Violet",
            "negative_vocab": [],
            "positive_vocab": [
                "Dark Violet"
            ]
        }
    ]
},
{

```

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```

    "name": "Magenta",
    "negative_vocab": [],
    "positive_vocab": [
      "Magenta"
    ],
    "nodes": [
      {
        "name": "Dark Magenta",
        "negative_vocab": [],
        "positive_vocab": [
          "Dark Magenta"
        ]
      }
    ]
  },
  {
    "name": "Purple",
    "negative_vocab": [],
    "positive_vocab": [
      "Purple"
    ]
  },
  {
    "name": "Indigo",
    "negative_vocab": [],
    "positive_vocab": [
      "Indigo"
    ]
  },
  {
    "name": "Slate Blue",
    "negative_vocab": [],
    "positive_vocab": [
      "Slate Blue"
    ],
    "nodes": [
      {
        "name": "Dark Slate Blue",
        "negative_vocab": [],
        "positive_vocab": [
          "Dark Slate Blue"
        ]
      },
      {
        "name": "Medium Slate Blue",
        "negative_vocab": [],
        "positive_vocab": [
          "Medium Slate Blue"
        ]
      }
    ]
  }
],
{
  "name": "White",
  "negative_vocab": [],

```

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```
"positive_vocab": [
  "White"
],
"nodes": [
  {
    "name": "Snow",
    "negative_vocab": [],
    "positive_vocab": [
      "Snow"
    ]
  },
  {
    "name": "Honeydew",
    "negative_vocab": [],
    "positive_vocab": [
      "Honeydew"
    ]
  },
  {
    "name": "Mint Cream",
    "negative_vocab": [],
    "positive_vocab": [
      "Mint Cream"
    ]
  },
  {
    "name": "Azure",
    "negative_vocab": [],
    "positive_vocab": [
      "Azure"
    ]
  },
  {
    "name": "Alice Blue",
    "negative_vocab": [],
    "positive_vocab": [
      "Alice Blue"
    ]
  },
  {
    "name": "Ghost White",
    "negative_vocab": [],
    "positive_vocab": [
      "Ghost White"
    ]
  },
  {
    "name": "White Smoke",
    "negative_vocab": [],
    "positive_vocab": [
      "White Smoke"
    ]
  },
  {
    "name": "Seashell",
    "negative_vocab": [],
    "positive_vocab": [
```

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```
        "Seashell"
    ]
},
{
    "name": "Beige",
    "negative_vocab": [],
    "positive_vocab": [
        "Beige"
    ]
},
{
    "name": "Old Lace",
    "negative_vocab": [],
    "positive_vocab": [
        "Old Lace"
    ]
},
{
    "name": "Floral White",
    "negative_vocab": [],
    "positive_vocab": [
        "Floral White"
    ]
},
{
    "name": "Ivory",
    "negative_vocab": [],
    "positive_vocab": [
        "Ivory"
    ]
},
{
    "name": "Antique White",
    "negative_vocab": [],
    "positive_vocab": [
        "Antique White"
    ]
},
{
    "name": "Linen",
    "negative_vocab": [],
    "positive_vocab": [
        "Linen"
    ]
},
{
    "name": "Lavender Blush",
    "negative_vocab": [],
    "positive_vocab": [
        "Lavender Blush"
    ]
},
{
    "name": "Misty Rose",
    "negative_vocab": [],
    "positive_vocab": [
        "Misty Rose"
    ]
}
```

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```
    ]
  }
]
},
{
  "name": "Gray and black colors",
  "negative_vocab": [],
  "positive_vocab": [
    "grey",
    "gray",
    "black"
  ],
  "nodes": [
    {
      "name": "Gainsboro",
      "negative_vocab": [],
      "positive_vocab": [
        "Gainsboro"
      ]
    },
    {
      "name": "Light Grey",
      "negative_vocab": [],
      "positive_vocab": [
        "Light Grey"
      ]
    },
    {
      "name": "Silver",
      "negative_vocab": [],
      "positive_vocab": [
        "Silver"
      ]
    },
    {
      "name": "Dark Gray",
      "negative_vocab": [],
      "positive_vocab": [
        "Dark Gray"
      ]
    },
    {
      "name": "Gray",
      "negative_vocab": [],
      "positive_vocab": [
        "Gray"
      ]
    },
    {
      "name": "Dim Gray",
      "negative_vocab": [],
      "positive_vocab": [
        "Dim Gray"
      ]
    },
    {
      "name": "Slate Gray",
```

(continues on next page)



## 12.4.2 Parameters

Parameter	Type	Description
dataset_id ( <i>required</i> )	string	A globally unique custom taxonomy identifier

## 12.4.3 Example Request

### DELETE Request

```
curl -X DELETE -u username:password https://api.econtext.com/v2/user/taxonomy/  
604962c585d0bbf9724d03110effbe64f6289bd04fa3d65da4b03dfc06d0ddf5
```

### DELETE Response

```
{  
  "econtext": {  
    "user": {  
      "result": true  
    },  
    "signature": {  
      "resource": "DELETE /user/taxonomy/:dataset_id",  
      "status": "200 OK - successful",  
      "client_ip": "127.0.0.1"  
    }  
  }  
}
```

### Contents

- *Available Filters*
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- *Example Requests*
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There are several filters that may be applied to a number of eContext API calls. Each filter should be represented as an object with at least two attributes.

**filter** An *integer* value that specifies the filter to apply.

**value** A *mixed* value containing the parameters to pass in to the filter.

**operator** An *integer* value that is *sometimes required* specifies the operator to apply on the *value*.

**invert** An optional *boolean* value which will invert the filter. If, for example, you wanted to retrieve only keywords that were about “Tobacco and Cigarettes” you could use the Keyword Flags filter and invert the filter.

## 13.1 Available Filters

ID	Filter Name	Description
1	<i>Character Count</i>	Filter results based on the character length of keywords
2	<i>Word Count</i>	Filter results based on the number of words in each keyword
3	<i>Keyword Flags</i>	Filter results based on various <i>Keyword Flags</i>
5	<i>Search Volume</i>	Filter results based on monthly search traffic estimates of keywords
6	<i>Intent Flags</i>	Filter results based on textual intent of keywords
7	<i>Exclude Terms</i>	Filter out results using the provided terms
8	<i>Language Flags (beta)</i>	Filter out results based on language

## 13.2 Keyword Flags

ID	Flag Name	Description
1	Invalid	Keyword fails punctuation and composition standards
2	General	Keyword fails general banned standards, including obscene language
4	Adult	Keyword contains adult content
8	Alcohol	Keyword contains content referring to alcohol
16	Fireworks	Keyword contains content referring to fireworks
32	Gambling	Keyword contains content referring to gambling
64	Prescription Drugs	Keyword contains content referring to prescription drugs
128	Tobacco and Cigarettes	Keyword contains content referring to smoking, tobacco, or cigarettes
256	Weapons	Keyword contains content referring to weapons
512	Brands (beta)	Keyword contains content referring to a known brand
1024	Location (beta)	Keyword contains content referring to a known location



## 13.3 Intent Flags

ID	Flag Name	Description
1	Purchase	Keywords related to “buying” ideas
2	Comparison	Keyword containing comparison ideas
4	Negative	Keyword containing negative terminologies
8	Question	Keywords expressing questions
16	Coupons	Keywords related to “coupon” and “deal” ideas

## 13.4 Operators

ID	Flag Name	Description
0	=	Equal to
1	!=	Not equal to
2	<	Less than
3	<=	Less than or equal to
4	>	Greater than
5	>=	Greater than or equal to
10		Bitwise OR
11	&	Bitwise AND

## 13.5 Filters

### 13.5.1 Character Count

The character count filter removes keywords that fall outside of the specified range. The value attribute of this filter specifies a character length limit.

Multiple instances of this filter may be passed in order to define customized ranges. An example of this filter, shown below, limits character length to between 20-30 characters.

*The operator attribute is required for this filter.*

#### Example

Filter for character count less than or equal to 30 and greater than or equal to 20.

```
{ "filter":1, "value":30, "operator":3}, // less than or equal to 30
{ "filter":1, "value":20, "operator":5} // greater than or equal to 20
```

### 13.5.2 Word Count

The word count filter removes keywords that fall outside of the specified range. The value attribute of this filter specifies a word length limit.

Multiple instances of this filter may be passed in order to define customized ranges. An example of this filter, shown below, limits word length to between 4-7 words.

### Example

```
{ "filter":2, "value":4, "operator":5}, // greater than or equal to 4
{ "filter":2, "value":7, "operator":3} // less than or equal to 7
```

## 13.5.3 Keyword Flags

The keyword flags filter allows a user to selectively filter out flagged keywords. For example, you could choose to eliminate most banned keywords (but allow keywords relating to alcohol and location).

### Example

Filter out all keywords flagged with the specified keyword flags, except for “alcohol” and “location”, identified by flags 8 and 1024, respectively

```
{ "filter":3, "value":[1, 2, 4, 16, 32, 64, 128, 256, 512]}
```

## 13.5.4 Search Volume

The search volume filter removes keywords that fall outside the specified range. The value attribute of this filter specifies a monthly search traffic limit.

Multiple instances of this filter may be passed in order to define customized ranges. An example of this filter, shown below, returns keywords with an estimated monthly search volume of 1,000- 100,000.

*The operator attribute is required for this filter.*

### Example

```
{ "filter":5, "value":100000, "operator":3}, // less than or equal to 100000
{ "filter":5, "value":1000, "operator":5} // greater than or equal to 1000
```

## 13.5.5 Intent Flags

The intent filter restricts results to those keywords flagged as belonging to certain intent groupings, defined above. A single keyword may contain multiple intent flags.

Multiple instances of this filter may be passed in order to customize the result set. The example, provided below, returns keywords containing the “purchase” and “comparison” intent flags, but excluding the “negative” intent flag. Keywords that match this explicit criteria and contain the “questions” flag will also be included, as they are not explicitly excluded. Keywords containing no intent flags would not be included.

### Example

```
{ "filter":6, "value":[1,2], "operator":11}, // require the purchase and comparison_
↪ flags
{ "filter":6, "value":[4], "invert":true} // exclude the negative flag
```

## 13.5.6 Exclude Terms

The exclude terms filter removes keywords containing any of the phrases specified in the filter. You may surround a phrase with double-quotes in order to search more precisely, as shown in the example below.

Please note that using this filter can significantly slow down search times. If you need to enter more than a few terms, you will experience better performance and results by refining your original query term.

By setting the invert operator to “true”, you can filter to show only those terms containing any of the specified words.

### Example

The example filters out keywords containing the phrases “javascript”, “c++”, and “php” and also filters out keywords containing the exact word (unstemmed) “worlds”.

```
{ "filter":7, "value":["javascript", "c++", "php", "\"worlds\""] }
```

## 13.5.7 Language Flags (beta)

The language filter restricts results to those keywords flagged as belonging to the specified language. Keywords may contain multiple language flags, identified using [ISO 639-2](#) three character language codes.

Multiple instances of this filter may be passed in order to customize the result set. The example, provided below, returns keywords that are flagged as Spanish.

Currently, keywords may be flagged as either English or Spanish. Other language offerings will be available in the future.

### Example

```
{ "filter":8, "value":["spa"] } // Require Spanish
```

## 13.6 Example Requests

### 13.6.1 No Filters

A simple request with no filters passed.

```
curl -X POST -u username:password --data-binary @keywords-search-nofilters.
  → json \
--header "Content-type: application/json" https://api.econtext.com/v2/
keywords/search
```

The contents of @keywords-search-nofilters.json:

```
{
  "query": "hello world",
  "type": 1,
  "filters": null
}
```

## 13.6.2 Many Filters

A more complicated keyword search with many filters.

```
curl -X POST -u username:password --data-binary @keywords-search-filters.json_\
↪\
--header "Content-type: application/json" https://api.econtext.com/v2/
keywords/search
```

The contents of @keywords-search-filters.json:

```
{
  "query": "hello world",
  "type": 1,
  "filters": {
    "filters": [
      {"filter": 1, "value": 30, "operator": 3},
      {"filter": 1, "value": 20, "operator": 5},
      {"filter": 2, "value": 7, "operator": 3},
      {"filter": 2, "value": 4, "operator": 5},
      {"filter": 3, "value": [1, 2, 4, 16, 32, 64, 128, 256, 512]},
      {"filter": 5, "value": 100000, "operator": 3},
      {"filter": 5, "value": 1000, "operator": 5},
      {"filter": 6, "value": [4], "invert": true},
      {"filter": 6, "value": [1, 2], "operator": 11},
      {"filter": 7, "value": ["javascript", "c++", "php", "\"worlds\""]},
      {"filter": 8, "value": ["spa"]}
    ]
  }
}
```

### 14.1 Version 1.2.19 - 2021-08-04

- Added a POST `/nlp/summarize` endpoint to provide NLP summarization capabilities for various input types.

### 14.2 Version 1.2.18 - 2021-2-18

- Process Mapquest URLs with a specific parser that returns much more accurate results.

### 14.3 Version 1.2.17 - 2021-01-14

- Added a POST `/categories/categories` call to retrieve category and overlay information given a list of category ids

### 14.4 Version 1.2.16 - 2020-08-04

- Added an `add_last_node` parameter to classification calls
- Added a `classify_limit` parameter to classification calls to limit the number of category responses

### 14.5 Version 1.2.15 - 2020-06-16

- Minor bug fixes and performance improvements

## 14.6 Version 1.2.14 - 2020-03-26

- Added a *classify\_timeout* parameter to classification calls. We can limit the amount of time we'll spend on a single call. When the timeout is reached, results computed up to that point will be returned.
- Performance tuning

## 14.7 Version 1.2.13 - 2020-02-04

- Minor bug fixes and performance improvements

## 14.8 Version 1.2.12 - 2020-01-23

- Minor bug fixes and performance improvements

## 14.9 Version 1.2.11 - 2019-12-12

- Add an *ml\_threshold* parameter to control machine learning results during classification. Setting this value lower will result in higher recall, but lower precision.
- *async* is dropped as an option during classification calls. All classification calls will now return results in the body of the response object rather than allowing for retrieval later.

## 14.10 Version 1.2.10 - 2019-08-14

- Cache the HTML from URL classification to prevent recrawling the same URL if it is seen within a certain period of time. You can force a recrawl by passing in *cache\_skip: true* in your POST data.

## 14.11 Version 1.2.9 - 2019-07-01

- Bug fixes
- Performance enhancements

## 14.12 Version 1.2.8 - 2019-04-10

- Bug fix for URL classification - all non-200 responses for individually submitted URLs to the API will return a 400.
- Specify a *min\_tags* parameter in *classify/url* to fallback to a different extraction engine if not enough content is retrieved
- Expose a *user/allotments* call to show usage limits if applicable
- Bug fix where sometimes overlay output format was incorrect

### 14.13 Version 1.2.7 - 2019-03-05

- Introduction of Facets to Category objects. Facets can be used to help identify things like brands and products and makes our Categories a little bit richer.

### 14.14 Version 1.2.6 - 2019-01-08

- Significant changes to the eContext sentiment models as well as significant performance enhancement. Quickly retrieve sentiment on classification calls.
- New NLP features - language identification for URLs and other input text. Available now at `/v2/nlp/lid`

### 14.15 Version 1.2.5 - 2018-10-25

- Added Sentiment to most classification calls. Generally, simply add a `"sentiment": true` parameter to the request body.
- Added NLP parsing functions to the API at `/v2/nlp/parse` which performs POS tagging, NER, dependency parsing, entity extraction, etc. Parsing is currently limited to select users. Please contact eContext.ai if you're interested in accessing these functions.

### 14.16 Version 1.2.0 - 2018-05-10

- Include new multi-lingual support `language-support`
- Improved the efficiency for *Custom Taxonomies*
- Increased performance of the classification engine to provide greater detail and insight into classifications

### 14.17 Version 1.1.6 - 2017-03-16

- Several performance enhancements and bug fixes
- Changed error handling on `classify/url` to be a bit more robust
- Add client-controlled *Custom Taxonomies* that can be used by the classification engine in lieu of the default eContext taxonomy

### 14.18 Version 1.1.5 - 2017-02-02

- Specify a `taxonomy_timestamp` parameter to freeze the eContext Taxonomy for long-running classification tasks
- Return more useful errors for invalid filters in `keywords/search` calls

## 14.19 Version 1.1.4 - 2017-01-16

- Added `scored_keywords` entries for items classified in ML Classification results
- Fixed bug where `classify/url` would fail if there was a new-line character in the input
- Significant expansion and updates to internal keyword models

## 14.20 Version 1.1.3 - 2016-11-11

- Better recognition of duplicate entity categories, particularly names in ML Classification results

## 14.21 Version 1.1.2 - 2016-09-29

- Added usage limits to assist users in keeping to API usage quotas
- Integrated entity categories into the main `categories` object in response objects

## 14.22 Version 1.1.1 - 2016-08-16

- Specify a `branches` parameter when classifying keywords to restrict to a particular vertical
- Specify a `best_match` parameter (defaults to `true`) to `classify/social`, `classify/html`, `classify/url`, and `classify/text` calls which will force the engine to retain submatches instead of removing them from results
- Added the ability to create custom taxonomies that users may use for specific classification tasks

## 14.23 Version 1.1.0 - 2016-07-11

- Added fallback NLP Entity extraction options in cases where the eContext Taxonomy does not provide coverage
- Added keyword flagging to identify keywords that may be sensitive to particular audiences
- Added social content flagging to identify social media posts that may be sensitive to particular audiences
- Changed `classify/url` to return a 403 Status Code if a requested URL is blocked by that domains robots.txt

## 14.24 Version 1.0.24

- New eContext translation service provides fast translation for incoming content. Supports Spanish, French, Portuguese, Italian, Dutch, German content
- Translated content is now passed through to your classification results



## 14.25 Version 1.0.23

- Added the Twitter Interest Taxonomy overlay as an available client add-on
- Changed format of overlays to be more descriptive - each taxonomy map now returns as a list with Tier 1 and Tier 2, when available

## 14.26 Version 1.0.22

- Internal improvements

## 14.27 Version 1.0.21

- Added client taxonomy overlay capabilities
- Added [IAB Taxonomy](#) overlay as an available client add-on

## 14.28 Version 1.0.20

- Improved performance of demo limits for new accounts
- Internal improvements in dataset migration and publication including

## 14.29 Version 1.0.19

- Added an “async” parameter to classify/ calls to block on classification. The result of the POST will be the actual classification results rather than a link to the result URI.
- Reject classify/url POSTs where the url being classified doesn't provide an appropriate content-type ('text/html', 'text/xhtml', 'application/xhtml+xml', 'text/xml', 'application/xml')
- Reject classify/url POSTs where the url being classified is too large (content-length >= 256000 bytes)
- Fixed an issue with classify/\* results being lost occasionally

## 14.30 Version 1.0.18

- Added an eContext Plugin to Google Translate API
- Added a check to avoid translation of content if it is determined to be in English

## 14.31 Version 1.0.17

- Added /categories/tiers to show all top-tier categories in the eContext Taxonomy
- Added ability to perform automatic content translation prior to classification using a bring-your-own translation service - currently only Microsoft Translator API

- Added general Category statistics including Social IDF (Inverse Document Frequency) and Social Relevance
- Deprecated /classify/twitter - these calls should be handled by /classify/social

## CHAPTER 15

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### Notes

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Unless otherwise specified, all examples in this documentation use a Content-Type ([RFC 2616#section-14.17](#)) of JSON for both input and output.



## CHAPTER 16

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### Indices and tables

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- `genindex`
- `search`
- *Changelog*



## R

### RFC

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