WordSteps Official API

v 1.2

September 9, 2011

Revision History

Date	Version	Author	Changes Summary
09.09.2011	1.0	Alex Peshkov	Initial draft, words and dicts basic classes and methods.
02.10.2011	1.1	Alex Peshkov	Labels methods description. Removing dictionary overflow error when adding new words to dictionary (since now dictionary is unlimited). Since now *words.get()* method has additional pagination

			attributes.
09.10.2011	1.1	Alex Peshkov	*Dicts.getAllLangs()* method description. Removing explicit list of available languages from the doc. New bad credentials error code when performing *authorize* method.
09.11.2011	1.2	Alex Peshkov	1) *Dicts.get()* and *dicts.create()* methods now have *lesson_time* property instead of *lesson_time_ago*. 2) All numerical (**int** and **float**) values in JSON output format are now used without quotes (e.g. `user_id=19` instead of `user_id=”19”` and for empty values `course_id=null` instead of `course_id=””`) 3) New methods: ● *dicts.getCreated()* ● *dicts.update()* ● *dicts.findAll()* ● *words.updateStatus()* ● *words.updateTrans()* ● *words.translate()* ● *words.getTransLangs()* 4) Courses’ methods are implemented: ● *courses.get()* ● *courses.getDicts()* 5) Methods, which return word/words (*words.get(), words.add()* etc.) now contain one more new parameter `source`. 6) Method *words.add()* now has 2 additional optional parameters: `source` and `example`. Since now it contains examples in response. 7) Method *words.get()* now has 2 more values for the `extended` parameter. It could display examples for the given words.

Table of Contents

Authorization
- Server-side flow (authentication code flow)
- Client-side flow (implicit flow)
- Client credential flow

    - Handling auth errors
    - Renewing access token
- Making API calls
- API methods
    - dicts.get
    - dicts.getCreated
    - dicts.findAll
    - dicts.create
    - dicts.update
    - dicts.delete
    - dicts.getAllLangs
    - words.get
    - words.add
    - words.updateStatus
    - words.updateTrans
    - words.delete
    - words.translate
    - words.getTransLangs
    - labels.get
    - labels.getForDicts
    - labels.create
    - labels.update
    - labels.move
    - labels.apply
    - labels.delete
    - courses.get
    - courses.getDicts
- Addendum

Authorization

To authorize your application, you heed to have an application development key which basically consists of 2 parameters: *app_id* and *secret_key*. *app_id* is a public ID of your application, *secret_key* - secret part needed for your app verification so it should be kept in secret place.

To access any API method, you have to verify your app and authorize the user. When done, you will get an *access_token* which is needed to call any API method. This is basically how OAuth 2.0 works. There are 3 ways to request an access token.

Server-side flow (authentication code flow)

NOT IMPLEMENTED

Client-side flow (implicit flow)

NOT IMPLEMENTED

Client credential flow

To get an *access_token* using user’s credentials, make a request:

```
https://api.wordsteps.com/oauth/authorize?
response_type=password&user=USER_NAME&password=USER_PASSWORD&app_id=AP
P_ID&secret_key=SECRET_KEY
```

where:

- USER_NAME - WordSteps user name or email
- USER_PASSWORD - WordSteps user password
- APP_ID - *app_id* of your application.
- SECRET_KEY - *secret_key* of your application.

You’ll get a response in JSON format:

```
{"response":{"access_token":"7891a19b1950a9137f14e69f2a443abf543700086","expi
res_in":86400,"user_id":"19","user_name":"scorp"}}
```

where:

- access_token - requested access token
- expires_in - access token expiration time in seconds
- user_id - ID of authorized user
- user_name - user name of the user

You can also get a response in XML format. To make this, call `authorize.xml` method instead of `authorize`:

```
https://api.wordsteps.com/oauth/authorize.xml?
response_type=password&user=USER_NAME&password=USER_PASSWORD&app_id=AP
P_ID&secret_key=SECRET_KEY
```

The response will be:

```
<response>
  <access_token>7891a19b1950a9137f14e69f2a443abf543700086</access_token>
  <expires_in>86400</expires_in>
  <user_id>19</user_id>
  <user_name>scorp</user_name>
</response>
```

Handling auth errors

When requesting *access_token*, you can get errors which should be properly handled by your application. There are 2 possible error formats, depending on the format of your request:

JSON format:

```
{"error":{"error_code":1,"error_msg":"Incorrect login\/password pair."}}
```

XML format:

```
<error>
  <error_code>1</error_code>
  <error_msg>Incorrect login/password pair.</error_msg>
</error>
```

Possible errors:

error code	possible reasons

1	Unknown application;
	Application was disabled by administrator;
	Wrong secret key;
	Unsupported authorization method;
	Unsupported response type;
	Not enough params to perform credentials auth;

3	Incorrect login/password pair

Renewing access token

When *acces_token* is about to expire, you can request a new one to avoid user's authorization. Note that you can get a new *acces_token* only in case the old one has not been expired. To request a new *acces_token*, make a request using the old access token value as a parameter:

JSON format:

```
https://api.wordsteps.com/oauth/access_token?
access_token=77b1a19b174cf4f482d4e69f3cb2e9ce216130052
```

Response:

```
{"response":{"access_token":"1191a19b1d305a258aa4e69f802aeaaa353430823","expi
res_in":86400,"user_id":"19","user_name":"scorp"}}
```

XML format:

```
https://api.wordsteps.com/oauth/access_token.xml?
access_token=77b1a19b174cf4f482d4e69f3cb2e9ce216130052
```

Response:

```
<response>
  <access_token>1191a19b1d305a258aa4e69f802aeaaa353430823</access_token>
  <expires_in>86400</expires_in>
  <user_id>19</user_id>
  <user_name>scorp</user_name>
</response>
```

There also could be some errors in common format (see **Handling auth errors** section):

```
{"error":{"error_code":1,"error_msg":"Failed to resolve access token: wrong 
access token code.
"}}
```

or the same in XML format.

error code	possible reason
1	Bad params to perform access_token action; Access token is expired; Failed to resolve access token: wrong access token code.

Making API calls

To call the API method, you should make a request:

```
https://api.wordsteps.com/method/METHOD_NAME?
PARAMETERS&access_token=ACCESS_TOKEN
```

where:

- METHOD_NAME - name of the API method from the below list
- PARAMETERS - parameters for the method
- ACCESS_TOKEN - value of access token obtained during authorization.

By default, response will be returned in JSON format. For example:

```
https://api.wordsteps.com/method/dicts.get?
user_id=19&learn_lang=en&access_token=5ab1a19b129ebb704484e672dab255e8
579953282
```

To get the result in XML format, you have to add ***.xml*** postfix to the name of the method, e.g. METHOD_NAME.xml:

```
https://api.wordsteps.com/method/dicts.get.xml?
user_id=19&learn_lang=en&access_token=5ab1a19b129ebb704484e672dab255e8
```

```
579953282
```

API methods

Below is the list of all available API methods.

dicts.get

Gets list of all user's dictionaries, containing in his/her profile. If specified user is the same as the authorized one (who requested the access token), all dictionaries are returned. Otherwise only public dictionaries will be returned.

Parameters

name of parameter	is mandatory	description
user_id	✓	ID of the user
learn_lang	✓	One of the user's learning languages in ISO 639-1 format. Dictionaries of that learning language will be returned. List of available learning languages could be obtained by `dicts.getAllLangs()` method.
sort		Need to define sorting order of the dictionaries list. One of 4 possible values: `add_a|add_d|les_a|les_d` ● `add_a` - ascending sort dictionaries by addition date (the date when dictionary was created/added to the user's prodile) ● `add_d` - descending sort by addition date. ● `les_a` - ascending sort by last lesson time for the dictionaries. ● `les_d` - descending sort by last lesson time. If not specified, `add_d` is used by default.
page_number		Number of page with results to return. Default is **1**.
limit		The size of the page, e.g. number of dictionaries returned for each page. Default is **30**.

Result

JSON format:

```
{"response":{"total":67,"dicts":[{"dict_id":528,"author_id":20446,
"name":"Trees
(\u0414\u0435\u0440\u0435\u0432\u044c\u044f)","learn_lang":"en","trans_lang
":"ru","complexity":33,"privacy":1,"size":31,"created":1314647959,"lesson_
time":null,"course_id":1},{"dict_id":529,"author_id":20446,"name":"Flowers 
(\u0426\u0432\u0435\u0442\u044b)","learn_lang":"en","trans_lang":"ru","comple
xity":30,"privacy":1,"size":31,"created":1314647958,"lesson_time":null,"cours
e_id":1}]}}
```

XML format:

```
<response>
  <total>67</total>
  <dicts>
    <dict>
      <dict_id>528</dict_id>
      <author_id>20446</author_id>
      <name>Trees (Деревья)</name>
      <learn_lang>en</learn_lang>
      <trans_lang>ru</trans_lang>
      <complexity>33</complexity>
      <privacy>1</privacy>
      <size>31</size>
      <created>1314647959</created>
      <lesson_time></lesson_time>
      <course_id>1</course_id>
    </dict>
    <dict>
      <dict_id>529</dict_id>
      <author_id>20446</author_id>
      <name>Flowers (Цветы)</name>
      <learn_lang>en</learn_lang>
      <trans_lang>ru</trans_lang>
      <complexity>30</complexity>
      <privacy>1</privacy>
      <size>31</size>
      <created>1314647958</created>
      <lesson_time></lesson_time>
      <course_id>1</course_id>
    </dict>
  </dicts>
</response>
```

where:

- total - total number of dictionaries in the user’s profile for the given learning language
- dict_id - ID of the dictionary
- author_id - ID of the user who created the dictionary
- name - name of the dictionary
- learn_lang - learning language of the dictionary in ISO 639-1 format
- trans_lang - translation language of the dictionary in ISO 639-1 format
- complexity - complexity from 0 (easy) to 50 (hard)
- privacy - privacy option of the dictionary
    - 1 - accessible for all users
    - 4 - private (accessible only for the creator of the dictionary)
- size - number of words in the dictionary
- created - time of dictionary creation as a UNIX timestamp.
- lesson_time - last lesson time as a UNIX timestamp or **null** in case no lesson has been

passed yet.

- course_id - ID of the course if the dictionary belongs to some course, otherwise **null**/ empty.

Error codes

error code	description
1	Access token is expired; IP address was changed; Wrong access token code

2	Invalid method signature;
	Invalid method parameters;

101	Invalid language code
102	Invalid user ID

dicts.getCreated

Gets list of dictionaries, created by specified user. If specified user is the same as the authorized one (who requested the access token), all created dictionaries are returned. Otherwise only public dictionaries will be returned.

Parameters

name of parameter	is mandatory	description
user_id	✓	ID of the user
learn_lang	✓	One of the user's learning languages in ISO 639-1 format. Dictionaries of that learning language will be returned. List of available learning languages could be obtained by `dicts.getAllLangs()` method.

sort		Need to define sorting order of the dictionaries list. One of 4 possible values: `add_a|add_d|les_a|les_d` ● `add_a` - ascending sort dictionaries by addition date (the date when dictionary was created/added to the user's prodile) ● `add_d` - descending sort by addition date. ● `les_a` - ascending sort by last lesson time for the dictionaries. ● `les_d` - descending sort by last lesson time. If not specified, `add_d` is used by default.
page_number		Number of page with results to return. Default is **1**.
limit		The size of the page, e.g. number of dictionaries returned for each page. Default is **30**.

Result

JSON format:

```
{"response":{"total":67,"dicts":[{"dict_id":528,"author_id":20446,
"name":"Trees
(\u0414\u0435\u0440\u0435\u0432\u044c\u044f)","learn_lang":"en","trans_lang
":"ru","complexity":33,"privacy":1,"size":31,"created":1314647959,"lesson_
time":null,"course_id":1},{"dict_id":529,"author_id":20446,"name":"Flowers
(\u0426\u0432\u0435\u0442\u044b)","learn_lang":"en","trans_lang":"ru","comple
xity":30,"privacy":1,"size":31,"created":1314647958,"lesson_time":null,"cours
e_id":1}]}}
```

XML format:

```
<response>
  <total>67</total>
  <dicts>
    <dict>
      <dict_id>528</dict_id>
      <author_id>20446</author_id>
      <name>Trees (Деревья)</name>
      <learn_lang>en</learn_lang>
      <trans_lang>ru</trans_lang>
      <complexity>33</complexity>
      <privacy>1</privacy>
      <size>31</size>
      <created>1314647959</created>
      <lesson_time></lesson_time>
      <course_id>1</course_id>
    </dict>
    <dict>
      <dict_id>529</dict_id>
      <author_id>20446</author_id>
      <name>Flowers (Цветы)</name>
      <learn_lang>en</learn_lang>
      <trans_lang>ru</trans_lang>
      <complexity>30</complexity>
      <privacy>1</privacy>
      <size>31</size>
      <created>1314647958</created>
      <lesson_time></lesson_time>
      <course_id>1</course_id>
    </dict>
  </dicts>
</response>
```

where:

- total - total number of dictionaries in the user's profile for the given learning language
- dict_id - ID of the dictionary
- author_id - ID of the user who created the dictionary
- name - name of the dictionary
- learn_lang - learning language of the dictionary in ISO 639-1 format
- trans_lang - translation language of the dictionary in ISO 639-1 format
- complexity - complexity from 0 (easy) to 50 (hard)
- privacy - privacy option of the dictionary
    - 1 - accessible for all users
    - 4 - private (accessible only for the creator of the dictionary)
- size - number of words in the dictionary
- created - time of dictionary creation as a UNIX timestamp.
- lesson_time - last lesson time as a UNIX timestamp or **null** in case no lesson has been passed yet.
- course_id - ID of the course if the dictionary belongs to some course, otherwise **null**/ empty.

Error codes

error code	**description**
1	Access token is expired; IP address was changed; Wrong access token code

2	Invalid method signature;
	Invalid method parameters;

101	Invalid language code
102	Invalid user ID

dicts.findAll

Searches for the dictionaries according to the given query. Search operation is performed through the list of ***all public dictionaries*** containing at least **7** (and more) words, which were created by all the users of the WordSteps service.

Parameters

name of parameter	is mandatory	description
query	✓	Search query. ● It could be any string to match dictionary's name, its words or their translations. Could not be less then **3** characters long. ● It could also be a number to match dictionary's ID.
learn_lang	✓	One of the user's learning languages in ISO 639-1 format. Dictionaries of that learning language will be returned. List of available learning languages could be obtained by `dicts.getAllLangs()` method.
trans_lang	✓	One of the user's learning languages in ISO 639-1 format. Dictionaries of that learning language will be returned. List of available learning languages could be obtained by `dicts.getAllLangs()` method.
fuzzy		Defines what kind of search should be performed. Could be of 2 values: ● **1** - makes fulltext search for the given query; ● **0** - makes search for the dictionaries, which name or ID are equals to the given query. Default is **1**.
page_number		Number of page with results to return. Default is **1**.
limit		The size of the page, e.g. number of dictionaries returned for each page. Default is **30**.

Result

JSON format:

```
{"response":{"total":2,"dicts":[{"dict_id":724,"author_id":19,"name":"Banking
(\u0411\u0430\u043d\u043a\u043e\u0432\u0441\u043a\u043e\u0435
\u0434\u0435\u043b\u043e)","learn_lang":"en","trans_lang":"ru","com
plexity":0,"privacy":1,"size":8,"created":1308596675,"lesson_time":
1321283802,"course_id":4},{"dict_id":720,"author_id":19,"name":"Bank
(\u0411\u0430\u043d\u043a)","learn_lang":"en","trans_lang":"ru","complexity":
0,"privacy":1,"size":8,"created":1308504492,"lesson_time":null,"course_id":5}
]}}
```

XML format:

```
<response>
  <total>2</total>
  <dicts>
    <dict>
      <dict_id>724</dict_id>
      <author_id>19</author_id>
      <name>Banking (Банковское дело)</name>
      <learn_lang>en</learn_lang>
      <trans_lang>ru</trans_lang>
      <complexity>0</complexity>
      <privacy>1</privacy>
      <size>8</size>
      <created>1308596675</created>
      <lesson_time>1321283802</lesson_time>
      <course_id>4</course_id>
    </dict>
    <dict>
      <dict_id>720</dict_id>
      <author_id>19</author_id>
      <name>Bank (Банк)</name>
      <learn_lang>en</learn_lang>
      <trans_lang>ru</trans_lang>
      <complexity>0</complexity>
      <privacy>1</privacy>
      <size>8</size>
      <created>1308504492</created>
      <lesson_time/>
      <course_id>5</course_id>
    </dict>
  </dicts>
</response>
```

where:

- total - total number of found dictionaries
- dict_id - ID of the dictionary
- author_id - ID of the user who created the dictionary
- name - name of the dictionary
- learn_lang - learning language of the dictionary in ISO 639-1 format
- trans_lang - translation language of the dictionary in ISO 639-1 format
- complexity - complexity from 0 (easy) to 50 (hard)
- privacy - privacy option of the dictionary
  - 1 - accessible for all users
  - 4 - private (accessible only for the creator of the dictionary)
- size - number of words in the dictionary
- created - time of dictionary creation as a UNIX timestamp.
- lesson_time - last lesson time as a UNIX timestamp or **null** in case no lesson has been passed yet.
- course_id - ID of the course if the dictionary belongs to some course, otherwise **null**/ empty.
-

Error codes

error code	**description**

1	Access token is expired; IP address was changed; Wrong access token code

2	Invalid method signature;
	Invalid method parameters;

100	System error
101	Invalid language code
116	Search query is too short of empty

dicts.create

Creates new dictionary for the authorized user.

Parameters

name of parameter	is mandatory	description
name	✓	Name of new dictionary.
learn_lang	✓	Dictionary’s learning language in ISO 639-1 format. List of available learning languages could be obtained by `dicts.getAllLangs()` method.
trans_lang	✓	Dictionary’s translation language in ISO 639-1 format. List of available learning languages could be obtained by `dicts.getAllLangs()` method.
privacy		Dictionary’s privacy: ● **1** - public, available for all users. ● **4** - private, available only for creator. Default is **4**.

Result

JSON format:

```
{"response":{"dict_id":26838,"author_id":19,"name":"Test1","learn_lang":"en","trans_lang":"ru","complexity":0,"privacy":1,"size":0,"created":1315576211,"lesson_time":null,"course_id":null}}
```

XML format:

```
<response>
  <dict_id>26839</dict_id>
  <author_id>19</author_id>
  <name>Test1</name>
  <learn_lang>en</learn_lang>
  <trans_lang>ru</trans_lang>
  <complexity>0</complexity>
  <privacy>1</privacy>
  <size>0</size>
  <created>1315576253</created>
  <lesson_time>null</lesson_time>
  <course_id/>
</response>
```

where:

- dict_id - ID of created dictionary
- author_id - ID of the user who created the dictionary
- name - name of the dictionary
- learn_lang - learning language of the dictionary in ISO 639-1 format
- trans_lang - translation language of the dictionary in ISO 639-1 format
- complexity - complexity from 0 (easy) to 50 (hard)
- privacy - privacy option of the dictionary
- size - number of words in the dictionary
- created - time of dictionary creation as a UNIX timestamp.
- lesson_time - last lesson time as a UNIX timestamp or **null** in case no lesson has been passed yet.
- course_id - ID of the course if the dictionary belongs to some course, otherwise **null**/ empty.
-

Error codes

error code	description
1	Access token is expired; IP address was changed; Wrong access token code

2	Invalid method signature;
	Invalid method parameters;

100	System error
101	Invalid language code
104	Invalid dictionary name
105	Invalid privacy

dicts.update

Updates dictionary’s parameters.

Parameters

name of parameter	is mandatory	description

dict_id	✓	ID of the dictionary.
name		New name for the dictionary. If not specified, the name won’t be changed.
privacy		New privacy: ● **1** - public, available for all users. ● **4** - private, available only for creator. If not specified, privacy won’t be changed.

Result

JSON format:

```
{"response":{"dict_id":26838,"author_id":19,"name":"New
Name","learn_lang":"en","trans_lang":"ru","complexity":0,"privacy":4,"size":1
7,"created":1315576211,"lesson_time":null,"course_id":null}}
```

XML format:

```
<response>
  <dict_id>26839</dict_id>
  <author_id>19</author_id>
  <name>New Name</name>
  <learn_lang>en</learn_lang>
  <trans_lang>ru</trans_lang>
  <complexity>0</complexity>
  <privacy>4</privacy>
  <size>17</size>
  <created>1315576253</created>
  <lesson_time>null</lesson_time>
  <course_id/>
</response>
```

where:

- dict_id - ID of updated dictionary
- author_id - ID of the user who created the dictionary
- name - new name of the dictionary
- learn_lang - learning language of the dictionary in ISO 639-1 format
- trans_lang - translation language of the dictionary in ISO 639-1 format
- complexity - complexity from 0 (easy) to 50 (hard)
- privacy - new privacy option of the dictionary
- size - number of words in the dictionary
- created - time of dictionary creation as a UNIX timestamp.
- lesson_time - last lesson time as a UNIX timestamp or **null** in case no lesson has been passed yet.
- course_id - ID of the course if the dictionary belongs to some course, otherwise **null**/ empty.
-

Error codes

error code	**description**

1	Access token is expired; IP address was changed; Wrong access token code

2	Invalid method signature;
	Invalid method parameters;

100	System error
105	Invalid privacy
106	Access denied

dicts.delete

Deletes dictionary from the user’s profile of the authorized user.

Parameters

name of parameter	is mandatory	description
dict_id	✓	ID of the dictionary to delete.

Result

JSON format:

```
{"response":{"result":1}}
```

XML format:

```
<response>
  <result>1</result>
</response>
```

Error codes

error code	description
1	Access token is expired; IP address was changed; Wrong access token code

2	Invalid method signature;
	Invalid method parameters;

100	System error
103	Invalid dictionary ID

dicts.getAllLangs

Gets all available learning and translation languages for the dictionaries.

Parameters

name of parameter	is mandatory	description
lang		As the response contains names of available languages, this parameter defines the language of these names to be translated to. Parameter should have ISO 639-1 language format. By default languages' names are output in English. List of available values for this parameter is available in **Addendum** section (**Available interface language codes** section).

Result

JSON format (`lang=`**`en`**):

```
{"response":{"langs":[{"code":"ar","pic":"http:\/\/s3.amazonaws.com\/
static.wordsteps.com\/pics\/content\/common\/flags\/
ar.gif","name":"Arabic"},{"code":"zh","pic":"http:\/\/s3.amazonaws.com\/
static.wordsteps.com\/pics\/content\/common\/flags\/
zh.gif","name":"Chinese"},{"code":"cs","pic":"http:\/\/s3.amazonaws.com\/
static.wordsteps.com\/pics\/content\/common\/flags\/
cs.gif","name":"Czech"},{"code":"en","pic":"http:\/\/s3.amazonaws.com\/
static.wordsteps.com\/pics\/content\/common\/flags\/
en.gif","name":"English"},{..............}]}}
```

XML format (`lang=`**`ru`**):

```
<response>
  <langs>
    <lang>
      <code>en</code>
      <pic>http://s3.amazonaws.com/static.wordsteps.com/pics/content/common/
      flags/en.gif</pic>
      <name>английский</name>
    </lang>
    <lang>
      <code>ar</code>
      <pic>http://s3.amazonaws.com/static.wordsteps.com/pics/content/common/
      flags/ar.gif</pic>
      <name>арабский</name>
    </lang>
    ..................................................
  </langs>
```

```
</response>
```

where:

- code - ISO 639-1 language code
- pic - URL of the flag for the language
- name - localized name of the language. The `lang` parameter of the method is used to set localization language.

words.get

Gets list of words from the given dictionary. Result could be returned in either *simple* or *extended* format and with or without examples. Simple format gives information needed just for displaying words, extended - for displaying and for learning them using spaced-repetition algorithm outside of WordSteps server. Example is a phrase or sentence containing current word.

Parameters

name of parameter	is mandatory	description
dict_id	✓	ID of the dictionary.
page_number		Number of page with results to return. Default is **1**.
limit		The size of the page, e.g. number of words returned for each page. Default is **50**.
extended		Two possible numeric values: ● 0 - return in simple format ● 1 - return in extended format ● 2 - simple format + examples ● 3 - extended format + examples Default is **0**.

Result

JSON format (`extended=0`):

```
{"response":{"words":[{"word_id":2594,"word":"apple","translation":"\u044f\u0
431\u043b\u043e\u043a\u043e","transcription":"[ \u00e6pl ]","sound":"\/snd\/
apple.mp3","status":1,"progress":0,"source":null
},{"word_id":2595,"word":"apricot","translation":"\u0430\u0431\u0440\u0438
\u043a\u043e\u0441","transcription":"[ 'eiprik\u0254t ]","sound":"\/snd\/
apricot.mp3","status":1,"progress":0},{"word_id":3426,"word":"avoca
do","translation":"\u0430\u0432\u043e\u043a\u0430\u0434\u043e","tra
nscription":"[ ,\u00e6v\u0259u'k\u0251:d\u0259u ]","sound":"\/snd\/
avocado.mp3","status":1,"progress":0,"source":"readme.txt"}]}}
```

JSON format (`extended=1`):

```
{"response":{"words":[{"word_id":2594,"word":"apple","translation":"\u044f\u0
431\u043b\u043e\u043a\u043e","transcription":"[ \u00e6pl ]","sound":"\/snd\/
apple.mp3","status":1,"progress":0,"source":"readme.txt","ease_factor":2.5,"p
rev_ease_factor":0,"next_interval":0,"prev_interval":0,"lesson_number":0,"suc
c_yes_count":0,"yes_count":0,"no_count":0,"next_lesson_time":null,"last_lesso
n_time":null,"first_lesson_time":null,"last_change_time":1318173615},{.......
...}]}}
```

JSON format (`extended=2`):

```
{"response":{"words":[{"word_id":2594,"word":"apple","translation":"\u044f
\u0431\u043b\u043e\u043a\u043e","transcription":"[ \u00e6pl ]","sound":"\/
snd\/apple.mp3","status":1,"progress":0,"source":null,"examples":["The
rotten apple injures its
neighbours."]},{"word_id":2595,"word":"apricot","translation":"\u0430\
u0431\u0440\u0438\u043a\u043e\u0441","transcription":"[ 'eiprik\u0254t
]","sound":"\/snd\/
apricot.mp3","status":1,"progress":0,"source":null,"examples":null},{........
..}]}}
```

JSON format (`extended=3`):

```
{"response":{"words":[{"word_id":2594,"word":"apple","translation":"\u044f\u0
431\u043b\u043e\u043a\u043e","transcription":"[ \u00e6pl ]","sound":"\/snd\/
apple.mp3","status":1,"progress":0,"source":null,"ease_factor":2.5,"prev_ease
_factor":0,"next_interval":0,"prev_interval":0,"lesson_number":0,"succ_yes_co
unt":0,"yes_count":0,"no_count":0,"next_lesson_time":null,"last_lesson_time":
null,"first_lesson_time":null,"last_change_time":null,"examples":["The rotten
apple injures its neighbours."]},{..........}]}}
```

XML format (`extended=0`):

```
<response>
  <words>
    <word>
      <word_id>2594</word_id>
      <word>apple</word>
      <translation>яблоко</translation>
      <transcription>[ æpl ]</transcription>
      <sound>/snd/apple.mp3</sound>
      <status>1</status>
      <progress>0</progress>
      <source>readme.txt</source>
    </word>
    ..............................
  </words>
</response>
```

XML format (`extended=1`):

```
<response>
  <words>
    <word>
      <word_id>2594</word_id>
      <word>apple</word>
      <translation>яблоко</translation>
      <transcription>[ æpl ]</transcription>
      <sound>/snd/apple.mp3</sound>
      <status>1</status>
      <progress>0</progress>
      <source>readme.txt</source>
      <ease_factor>2.5</ease_factor>
      <prev_ease_factor>0</prev_ease_factor>
      <next_interval>0</next_interval>
      <prev_interval>0</prev_interval>
      <lesson_number>0</lesson_number>
      <succ_yes_count>0</succ_yes_count>
      <yes_count>0</yes_count>
      <no_count>0</no_count>
      <next_lesson_time/>
      <last_lesson_time/>
      <first_lesson_time/>
      <last_change_time>1318173615</last_change_time>
    </word>
    ...............................
  </words>
</response>
```

XML format (`extended=2`):

```
<response>
  <words>
    <word>
      <word_id>2594</word_id>
      <word>apple</word>
      <translation>яблоко</translation>
      <transcription>[ æpl ]</transcription>
      <sound>/snd/apple.mp3</sound>
      <status>1</status>
      <progress>0</progress>
      <source/>
      <examples>
        <example>The rotten apple injures its neighbours.</example>
      </examples>
    </word>
    <word>
      <word_id>2595</word_id>
      <word>apricot</word>
      <translation>абрикос</translation>
      <transcription>[ 'eiprikɔt ]</transcription>
      <sound>/snd/apricot.mp3</sound>
      <status>1</status>
      <progress>0</progress>
      <source/>
      <examples/>
    </word>
  </words>
</response>
```

XML format (`extended=3`):

```
<response>
  <words>
```

```
    <word>
      <word_id>2594</word_id>
      <word>apple</word>
      <translation>яблоко</translation>
      <transcription>[ æpl ]</transcription>
      <sound>/snd/apple.mp3</sound>
      <status>1</status>
      <progress>0</progress>
      <source/>
      <ease_factor>2.5</ease_factor>
      <prev_ease_factor>0</prev_ease_factor>
      <next_interval>0</next_interval>
      <prev_interval>0</prev_interval>
      <lesson_number>0</lesson_number>
      <succ_yes_count>0</succ_yes_count>
      <yes_count>0</yes_count>
      <no_count>0</no_count>
      <next_lesson_time/>
      <last_lesson_time/>
      <first_lesson_time/>
      <last_change_time/>
      <examples>
        <example>The rotten apple injures its neighbours.</example>
      </examples>
    </word>
    ............................
  </words>
</response>
```

where:

- word_id - ID of the word
- word- word value
- translation - translation value
- transcription - transcription value of empty string
- sound - URL to the sound file containing pronunciation of the word
- status - learning status of the word:
    - 1 - “learn”, word is currently under learning
    - 3 - “learned”, word has been learned, not participated in the learning process any more
    - 4 - “postpone”, postponed word
- progress - learning progress of the word in percents (from 0 to 100).
- source - web-site, file name or other name of source where this word was obtained from. If the value is not set then the parameter is **null**/empty.
- examples - set of phrases or sentences where the word is used in
- other params needed for implementation of the learning process outside of the WordSteps server.

Error codes

error code	description

1	Access token is expired; IP address was changed; Wrong access token code

2	Invalid method signature;
	Invalid method parameters;

103	Invalid dictionary ID
106	Access denied

words.add

Adds new word to the given dictionary.

Parameters

name of parameter	is mandatory	description
dict_id	✓	ID of the dictionary.
word	✓	Word to add to the dictionary.
trans	✓	Translation of the word.
source		The name of source where the word was obtained from (e.g. website URL, file name etc). Maximum size is **256** characters.
example		Phrase or sentence which contains the given word. It could be the context of the word, where the word was met or some other example. Maximum size is **512** characters.

Result

JSON format:

```
{"response":{"word":{"word_id":6250,"word":"tree","translation":"\
u0434\u0435\u0440\u0435\u0432\u043e","transcription":"[ tri: 
]","sound":"https:\/\/s3.amazonaws.com\/static.wordsteps.com\/snd\/
https:\/\/s3.amazonaws.com\/static.wordsteps.com\/snd\/en\/ws\/t\/r\/
tree.mp3","status":1,"progress":0,"source":"readme.txt","examples":["The 
rotten apple injures its neighbours."]}}}
```

XML format:

```
<response>
  <word>
    <word_id>6250</word_id>
    <word>tree</word>
    <translation>дерево</translation>
    <transcription>[ tri: ]</transcription>
    <sound>
      https://s3.amazonaws.com/static.wordsteps.com/snd/https://
      s3.amazonaws.com/static.wordsteps.com/snd/en/ws/t/r/tree.mp3
    </sound>
    <status>1</status>
    <progress>0</progress>
    <source>readme.txt</source>
    <examples>
        <example>The rotten apple injures its neighbours.</example>
    </examples>
  </word>
</response>
```

where:

- word_id - ID of the word
- word - word value
- translation - translation value
- transcription - transcription value of empty string
- sound - URL to the sound file containing pronunciation of the word
- status - learning status of the word:
    - 1 - “learn”, word is currently under learning
    - 3 - “learned”, word has been learned, not participated in the learning process any more
    - 4 - “postpone”, postponed word
- progress - learning progress of the word in percents (from 0 to 100)
- source - web-site, file name or other name of source where this word was obtained from. If the value is not set then the parameter is **null**/empty
- examples - set of phrases or sentences where the word is used in.

Error codes

error code	description
1	Access token is expired; IP address was changed; Wrong access token code

2	Invalid method signature;
	Invalid method parameters;

100	System error
103	Invalid dictionary ID
106	Access denied
108	Invalid word
109	Invalid translation

words.updateStatus

Updates the status of the word in the dictionary.

Parameters

name of parameter	is mandatory	description
dict_id	✓	ID of the dictionary.
word_id	✓	ID of the word to update.
status	✓	New status for the word: ● **1** - “learn”, word is currently under learning ● **3** - “learned”, word has been learned, not participated in the learning process any more ● **4** - “postpone”, postponed word

Result

JSON format:

```
{"response":{"word":{"word_id":6250,"word":"tree","translation":"\
u0434\u0435\u0440\u0435\u0432\u043e","transcription":"[ tri:
]","sound":"https:\/\/s3.amazonaws.com\/static.wordsteps.com\/snd\/
https:\/\/s3.amazonaws.com\/static.wordsteps.com\/snd\/en\/ws\/t\/r\/
tree.mp3","status":4,"progress":0,"source":"readme.txt"}}}
```

XML format:

```
<response>
  <word>
    <word_id>6250</word_id>
    <word>tree</word>
    <translation>дерево</translation>
    <transcription>[ tri: ]</transcription>
    <sound>
      https://s3.amazonaws.com/static.wordsteps.com/snd/https://
      s3.amazonaws.com/static.wordsteps.com/snd/en/ws/t/r/tree.mp3
    </sound>
    <status>4</status>
    <progress>0</progress>
    <source>readme.txt</source>
  </word>
</response>
```

where:

- word_id - ID of the word
- word - word value
- translation - translation value
- transcription - transcription value of empty string

- sound - URL to the sound file containing pronunciation of the word
- status - new learning status of the word:
    - 1 - “learn”, word is currently under learning
    - 3 - “learned”, word has been learned, not participated in the learning process any more
    - 4 - “postpone”, postponed word
- progress - learning progress of the word in percents (from 0 to 100)
- source - web-site, file name or other name of source where this word was obtained from. If the value is not set then the parameter is **null**/empty.

Error codes

error code	description
1	Access token is expired; IP address was changed; Wrong access token code

2	Invalid method signature;
	Invalid method parameters;

100	System error
103	Invalid dictionary ID
106	Access denied
110	Invalid word ID
114	Invalid status

words.updateTrans

Updates translation of the word in the dictionary.

Parameters

name of parameter	is mandatory	description
dict_id	✓	ID of the dictionary.
word_id	✓	ID of the word to update.
trans	✓	New translation for the word.

Result

JSON format:

```
{"response":{"word":{"word_id":6250,"word":"tree","translation":"\
u0434\u0435\u0440\u0435\u0432\u043e","transcription":"[ tri:
```

```
]","sound":"https:\/\/s3.amazonaws.com\/static.wordsteps.com\/snd\/
https:\/\/s3.amazonaws.com\/static.wordsteps.com\/snd\/en\/ws\/t\/r\/
tree.mp3","status":4,"progress":0,"source":"readme.txt"}}}
```

XML format:

```
<response>
  <word>
    <word_id>6250</word_id>
    <word>tree</word>
    <translation>дерево</translation>
    <transcription>[ tri: ]</transcription>
    <sound>
      https://s3.amazonaws.com/static.wordsteps.com/snd/https://
      s3.amazonaws.com/static.wordsteps.com/snd/en/ws/t/r/tree.mp3
    </sound>
    <status>4</status>
    <progress>0</progress>
    <source>readme.txt</source>
  </word>
</response>
```

where:

- word_id - ID of the word
- word - word value
- translation - new translation value
- transcription - transcription value of empty string
- sound - URL to the sound file containing pronunciation of the word
- status - learning status of the word:
  - 1 - “learn”, word is currently under learning
  - 3 - “learned”, word has been learned, not participated in the learning process any more
  - 4 - “postpone”, postponed word
- progress - learning progress of the word in percents (from 0 to 100)
- source - web-site, file name or other name of source where this word was obtained from. If the value is not set then the parameter is **null**/empty.

Error codes

error code	description
1	Access token is expired; IP address was changed; Wrong access token code

2	Invalid method signature;
	Invalid method parameters;

100	System error
103	Invalid dictionary ID

106	Access denied
109	Invalid translation
110	Invalid word ID

words.delete

Deletes words from the dictionary. Note that user could delete only his/her own words from the dictionary. If current dictionary is created by another user, the error response will be returned when trying to delete the words from this dictionary.

Parameters

name of parameter	is mandatory	description
dict_id	✓	ID of the dictionary.
words_ids	✓	Comma-separated list of words IDs to delete.

Result

JSON format:

```
{"response":{"result":1}}
```

XML format:

```
<response>
  <result>1</result>
</response>
```

Error codes

error code	description
1	Access token is expired; IP address was changed; Wrong access token code

2	Invalid method signature;
	Invalid method parameters;

100	System error
103	Invalid dictionary ID
106	Access denied

110	Invalid words IDs

words.translate

Translates word of phrase from one specified language to another.

Parameters

name of parameter	is mandatory	description
src_lang	✓	Source language of the word (or phrase) in ISO 639-1 format. List of supported languages could be obtained by `words.getTransLangs()` method.
trans_lang	✓	Target language of the specified word in ISO 639-1 format. List of supported languages could be obtained by `words.getTransLangs()` method.
word	✓	Word or phrase to translate.

Result

JSON format:

```
{"response":{"translations":[{"text":"\u0434\u0435\u0440\u0435\u0432\u043e"}
]}}
```

XML format:

```
<response>
  <translations>
    <translation>
      <text>деревья</text>
    </translation>
    <translation>
      <text>насаждения</text>
    </translation>
  </translations>
</response>
```

where:

- text - translation of the given word.

Error codes

error code	description

1	Access token is expired; IP address was changed; Wrong access token code

2	Invalid method signature;
	Invalid method parameters;

100	System error
101	Invalid source or translation language
108	Invalid word
115	Translation service is not available.

words.getTransLangs

Gets all available source and translation languages which could be used for translation of words and phrases via `words.translate()` method. Note that the set of source languages is the same as the set of translation languages.

Parameters

name of parameter	is mandatory	description
lang		As the response contains names of available languages, this parameter defines the language of these names to be translated to. Parameter should have ISO 639-1 language format. By default languages’ names are output in English. List of available values for this parameter is available in **Addendum** section (**Available interface language codes** section).

Result

JSON format (`lang=`**`en`**):

```
{"response":{"langs":[{"code":"ar","pic":"http:\/\/s3.amazonaws.com\/
static.wordsteps.com\/pics\/content\/common\/flags\/
ar.gif","name":"Arabic"},{"code":"zh","pic":"http:\/\/s3.amazonaws.com\/
static.wordsteps.com\/pics\/content\/common\/flags\/
zh.gif","name":"Chinese"},{"code":"cs","pic":"http:\/\/s3.amazonaws.com\/
static.wordsteps.com\/pics\/content\/common\/flags\/
cs.gif","name":"Czech"},{"code":"en","pic":"http:\/\/s3.amazonaws.com\/
static.wordsteps.com\/pics\/content\/common\/flags\/
en.gif","name":"English"},{..............}]}}
```

XML format (`lang=`**`ru`**):

```
<response>
  <langs>
    <lang>
      <code>en</code>
      <pic>http://s3.amazonaws.com/static.wordsteps.com/pics/content/common/
      flags/en.gif</pic>
      <name>английский</name>
    </lang>
    <lang>
      <code>ar</code>
      <pic>http://s3.amazonaws.com/static.wordsteps.com/pics/content/common/
      flags/ar.gif</pic>
      <name>арабский</name>
    </lang>
    ........................
  </langs>
</response>
```

where:

- code - ISO 639-1 language code
- pic - URL of the flag for the language
- name - localized name of the language. The `lang` parameter of the method is used to set localization language.

labels.get

Gets list of dictionaries’ labels for the given user.

Parameters

name of parameter	is mandatory	description
user_id	✓	ID of the user.

Result

JSON format:

```
{"response":{"labels":[{label_id:108,"user_id":19,"name":"spectrum","creation
_time":1316603495,"order_number":1316603493},{"label_id":110,"user_id":19,"na
me":"1 course","creation_time":1317243429,"order_number":1316603491}]}}
```

XML format:

```
<response>
  <labels>
    <label>
      <label_id>108</label_id>
      <user_id>19</user_id>
      <name>spectrum</name>
      <creation_time>1316603495</creation_time>
      <order_number>1316603493</order_number>
    </label>
    <label>
      <label_id>110</label_id>
      <user_id>19</user_id>
      <name>1 course</name>
      <creation_time>1317243429</creation_time>
      <order_number>1316603491</order_number>
    </label>
  </labels>
</response>
```

where:

- label_id - ID of the label
- user_id - ID of the owner of the label
- name - name of the label
- creation_time - time of creation of the label as a UNIX timestamp
- order_number - displaying order number of the label
-

Error codes

error code	description
1	Access token is expired; IP address was changed; Wrong access token code

2	Invalid method signature;
	Invalid method parameters;

102	Invalid user ID

labels.getForDicts

Gets list of labels applied for the given dictionaries in the user’s profile.

Parameters

name of parameter	is mandatory	description
dicts_ids	✓	Comma-separated list of dictionaries’ IDs.

Result

JSON format:

```
{"response":{"labels":[{"label_id":108,"user_id":19,"name":"spectrum","creation_time":1316603495,"order_number":1316603493},{"label_id":110,"user_id":19,"name":"1 course","creation_time":1317243429,"order_number":1316603491}]}}
```

XML format:

```
<response>
  <labels>
    <label>
```

```
      <label_id>108</label_id>
      <user_id>19</user_id>
      <name>spectrum</name>
      <creation_time>1316603495</creation_time>
      <order_number>1316603493</order_number>
    </label>
    <label>
      <label_id>110</label_id>
      <user_id>19</user_id>
      <name>1 course</name>
      <creation_time>1317243429</creation_time>
      <order_number>1316603491</order_number>
    </label>
  </labels>
</response>
```

where:

- label_id - ID of the label
- user_id - ID of the owner of the label
- name - name of the label
- creation_time - time of creation of the label as a UNIX timestamp
- order_number - displaying order number of the label

Error codes

error code	description
1	Access token is expired; IP address was changed; Wrong access token code

2	Invalid method signature;
	Invalid method parameters;

103	Invalid dictionary ID

labels.create

Creates new dictionary label with the given name.

Parameters

name of parameter	is mandatory	description
name	✓	Label name

Result

JSON format:

```
{"response":{"label":{"label_id":122,"user_id":19,"name":"new_label","creatio
n_time":1317577139,"order_number":1317577139}}}
```

XML format:

```
<response>
  <label>
    <label_id>121</label_id>
    <user_id>19</user_id>
    <name>new_label</name>
    <creation_time>1317577085</creation_time>
    <order_number>1317577085</order_number>
  </label>
</response>
```

where:

- label_id - ID of the label
- user_id - ID of the owner of the label
- name - name of the label
- creation_time - time of creation of the label as a UNIX timestamp
- order_number - displaying order number of the label

Error codes

error code	description
1	Access token is expired; IP address was changed; Wrong access token code

2	Invalid method signature;
	Invalid method parameters;

100	System error
111	Invalid label name
112	Label with this name already exists

labels.update

Updates label’s name.

Parameters

name of parameter	is mandatory	description
label_id	✓	ID of the label to update
name	✓	New label name

Result

JSON format:

```
{"response":{"label":{"label_id":116,"user_id":19,"name":"new_name","creation_time":1317566012,"order_number":1316603492}}}
```

XML format:

```
<response>
  <label>
    <label_id>116</label_id>
    <user_id>19</user_id>
    <name>new_name</name>
    <creation_time>1317566012</creation_time>
    <order_number>1316603492</order_number>
  </label>
</response>
```

where:

- label_id - ID of the label
- user_id - ID of the owner of the label
- name - new name of the label
- creation_time - time of creation of the label as a UNIX timestamp
- order_number - displaying order number of the label

Error codes

error code	description
1	Access token is expired; IP address was changed; Wrong access token code

2	Invalid method signature;
	Invalid method parameters;

100	System error
106	Access denied
111	Invalid label name
112	Label with this name already exists
113	Invalid label ID

labels.move

Places label after the label with specified ID (*before_label_id*). If *before_label_id* is not set then label will be placed to the top of the user’s labels list.

Parameters

name of parameter	is mandatory	description
label_id	✓	ID of the label to move
before_label_id		ID of the label after which the target one should be placed.

Result

JSON format:

```
{"response":{"result":1}}
```

XML format:

```
<response>
  <result>1</result>
</response>
```

Error codes

error code	description
1	Access token is expired; IP address was changed; Wrong access token code

2	Invalid method signature;
	Invalid method parameters;

100	System error
106	Access denied
113	Invalid label ID

labels.apply

Applies labels to the given dictionaries. Note that before applying a new set of labels, all the labels, previously applied to these dictionaries, will be removed from them. And if no labels are specified, then method just removed all the old labels from the dictionaries.

Parameters

name of parameter	is mandatory	description
dicts_ids	✓	Comma-separated dictionaries’ IDs
labels_ids		Comma-separated labels’ IDs

Result

JSON format:

```
{"response":{"result":1}}
```

XML format:

```
<response>
  <result>1</result>
</response>
```

Error codes

error code	description
1	Access token is expired; IP address was changed; Wrong access token code

2	Invalid method signature;
	Invalid method parameters;

100	System error
103	Invalid dictionaries IDs

labels.delete

Deletes label from the user’s profile. This method just removes the label and do nothing with dictionaries which were applied to the given label.

Parameters

name of parameter	is mandatory	description
label_id	✓	ID of the label

Result

JSON format:

```
{"response":{"result":1}}
```

XML format:

```
<response>
  <result>1</result>
</response>
```

Error codes

error code	description

1	Access token is expired; IP address was changed; Wrong access token code

2	Invalid method signature;
	Invalid method parameters;

100	System error
106	Access denied
113	Invalid label ID

courses.get

Gets list of courses available for the given user. Course is a set of dictionaries representing specific area of application (i.e. “Travelling”, “Business” etc.).

Parameters

name of parameter	is mandatory	description
lang		As the response contains names of courses, this parameter defines the language of these names to be translated to. Parameter should have ISO 639-1 language format. By default languages’ names are output in English. List of available values for this parameter is available in **Addendum** section (**Available interface language codes** section).

Result

JSON format:

```
{"response":{"courses":[{"course_id":1,"name":"\u0410\u043a\u0442\u0438\u04
32\u043d\u044b\u0439 \u0421\u043b\u043e\u0432\u0430\u0440\u043d\u044b\u0439
\u0417\u0430\u043f\u0430\u0441 \u043d\u0430
\u041a\u0430\u0436\u0434\u044b\u0439 \u0414\u0435\u043d\u044c","pic":"\/
pics\/content\/sell\/slider\/
s_active_voc_cover.jpg","duration":347,"learn_langs":["en"],"trans_langs":["r
u","es","it","fr","de","pt","zh","ja","en"]}]}}
```

XML format:

```
<response>
  <courses>
    <course>
      <course_id>1</course_id>
      <name>Активный Словарный Запас на Каждый День</name>
      <pic>/pics/content/sell/slider/s_active_voc_cover.jpg</pic>
      <duration>347</duration>
      <learn_langs>
        <learn_lang>en</learn_lang>
      </learn_langs>
      <trans_langs>
        <trans_lang>ru</trans_lang>
        <trans_lang>es</trans_lang>
        <trans_lang>it</trans_lang>
        <trans_lang>fr</trans_lang>
        <trans_lang>de</trans_lang>
        <trans_lang>pt</trans_lang>
        <trans_lang>zh</trans_lang>
        <trans_lang>ja</trans_lang>
        <trans_lang>en</trans_lang>
      </trans_langs>
    </course>
    <course>
      <course_id>8</course_id>
      <name>Минилекс и Минифраз Гуннемарка</name>
      <pic>/pics/content/sell/slider/s_minilex_english.jpg</pic>
      <duration>347</duration>
      <learn_langs>
        <learn_lang>en</learn_lang>
      </learn_langs>
      <trans_langs>
        <trans_lang>ru</trans_lang>
      </trans_langs>
    </course>
  </courses>
</response>
```

where:

- course_id - ID of the course
- name - name of the course
- pic - course’s cover picture URL
- duration - number of days left till the course expiration for the given user
- learn_langs - set of languages in ISO 639-1 format to learn by the course. Each course could be for learning more then 1 language. This method returns the languages, available for the given user. Defines a set of learning languages of dictionaries, containing in the course.
- trans_langs - all available translation languages of the course in ISO 639-1 format. Defines a set of translation languages of dictionaries, containing in the course.

Error codes

error code	description
1	Access token is expired; IP address was changed; Wrong access token code

2	Invalid method signature;
	Invalid method parameters;

100	System error

courses.getDicts

Gets list of dictionaries, containing in the course.

Parameters

name of parameter	is mandatory	description
course_id	✓	ID of the course
learn_lang	✓	Learning language of the course in ISO 639-1 format. Defines the learning language of dictionaries to return. List of available learning languages of the course could be obtained by `courses.get()` method.
trans_lang	✓	Translation language of the course in ISO 639-1 format. Defines the translation language of dictionaries to return. List of available learning languages of the course could be obtained by `courses.get()` method.

Result

JSON format:

```
{"response":{"total":"30","dicts":[{"dict_id":587,"author_id":19,"
name":"Fruits
(\u0424\u0440\u0443\u043a\u0442\u044b)","learn_lang":"en","trans_lang":"
ru","complexity":0,"privacy":1,"size":40,"created":1275138523,"lesson_ti
me":null,"course_id":1},{"dict_id":588,"author_id":19,"name":"Vegetables
(\u041e\u0432\u043e\u0449\u0438)","learn_lang":"en","trans_lang":"ru"
,"complexity":0,"privacy":1,"size":45,"created":1275138523,"lesson_t
ime":null,"course_id":1},{"dict_id":589,"author_id":22,"name":"Trees
(\u0414\u0435\u0440\u0435\u0432\u044c\u044f)","learn_lang":"en","trans_lang":
"ru","complexity":0,"privacy":1,"size":37,"created":1275138523,"lesson_time":
null,"course_id":1}]}}
```

XML format:

```
<response>
  <total>30</total>
  <dicts>
    <dict>
      <dict_id>587</dict_id>
      <author_id>19</author_id>
      <name>Fruits (Фрукты)</name>
      <learn_lang>en</learn_lang>
      <trans_lang>ru</trans_lang>
      <complexity>0</complexity>
      <privacy>1</privacy>
      <size>40</size>
      <created>1275138523</created>
      <lesson_time/>
      <course_id>1</course_id>
    </dict>
    <dict>
      <dict_id>588</dict_id>
      <author_id>19</author_id>
      <name>Vegetables (Овощи)</name>
      <learn_lang>en</learn_lang>
      <trans_lang>ru</trans_lang>
      <complexity>0</complexity>
      <privacy>1</privacy>
      <size>45</size>
      <created>1275138523</created>
      <lesson_time/>
      <course_id>1</course_id>
    </dict>
    ................................
  </dicts>
</response>
```

where:

- total - total number of dictionaries in the course
- dict_id - ID of the dictionary
- author_id - ID of the course owner
- name - name of the dictionary
- learn_lang - learning language of the dictionary in ISO 639-1 format
- trans_lang - translation language of the dictionary in ISO 639-1 format
- complexity - complexity from 0 (easy) to 50 (hard)
- privacy - privacy option of the dictionary
    - 1 - accessible for all users
    - 4 - private (accessible only for the creator of the dictionary)
- size - number of words in the dictionary
- created - time of dictionary creation as a UNIX timestamp.
- lesson_time - last lesson time as a UNIX timestamp or **null** in case no lesson has been passed yet.
- course_id - ID of the course.

Error codes

error code	description
1	Access token is expired; IP address was changed; Wrong access token code

2	Invalid method signature;
	Invalid method parameters;

100	System error
101	Invalid language code
106	Course is not accessible
117	Invalid course ID

Addendum

List of available interface languages ISO 639-1 codes

- EN English
- ES Spanish
- RU Russian
- ZH Chinese
- IT Italian
- JA Japanese