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# Jibiki REST Application Programming Interface

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# Le projet Jibiki.fr

## Dictionnaire japonais- français

Consultation


[Consultation  
avancée](#)

## jibiki REST Application Programming Interface

### Summary

- [GET api/\\*](#) Get a list of dictionaries metadata
- [GET api/\[dictionary\]](#) Get a dictionary metadata
- [POST api/\[dictionary\]](#) Create a new dictionary
- [PUT api/\[dictionary\]](#) Modify an existing dictionary
- [DELETE api/\[dictionary\]](#) Delete an existing dictionary
- [GET api/\[dictionary\]/\[lang\]](#) Get a volume metadata
- [POST api/\[dictionary\]/\[lang\]](#) Create a new volume
- [PUT api/\[dictionary\]/\[lang\]](#) Modify an existing volume
- [DELETE api/\[dictionary\]/\[lang\]](#) Delete an existing volume
- [GET api/\[dictionary\]/\[lang\]/\[contribid\]](#) Get a contribution
- [POST api/\[dictionary\]/\[lang\]/\[contribid\]](#) Create a new contribution
- [PUT api/\[dictionary\]/\[lang\]/\[entryid\]](#) Modify an entire contribution
- [PUT api/\[dictionary\]/\[lang\]/\[contribid\]/\[string\]](#) Modify part of an existing contribution
- [DELETE api/\[dictionary\]/\[lang\]/\[contribid\]](#) Delete an existing contribution
- [GET api/\[dictionary\]/\[lang\]/\[criteria\]/\[string\]](#) Get entries
- [GET api/\[dictionary\]/\[lang\]/\[criteria\]/\[string\]/\[key\]](#) Get entries
- [List of search criteria](#)
- [List of search strategy](#)
- [Authentication methods](#)

### List of available dictionaries

URL	<a href="#">api/</a>
Method	GET
ContentType	application/xml
Returns	200 OK & XML (list of dictionaries metadata) 401 Unauthorized (wrong credentials)

Note: available dictionaries are:

- dictionaries with public access
- dictionaries with restricted access and the user is [logged](#)
- dictionaries with private access and the user is [logged](#) and
  - in the admin group or
  - in the dictionary admin group or
  - in the dictionary validator group or
  - in the dictionary specialist group or
  - in the dictionary reader group.

Example of query:

```
curl "api/"
```

Answer:

```
<?xml version="1.0" encoding="UTF-8"?>
<dictionary_metadata_list xmlns="http://www...
```

```

clips.imag.fr/geta/services/dml">
  <dictionary-metadata xmlns="http://www-
clips.imag.fr/geta/services/dml"
  xmlns:d="http://www-clips.imag.fr/geta/services/dml"
  xmlns:xlink="http://www.w3.org/1999/xlink"
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  category="bilingual"
  creation-date="13/07/2002 00:00:00"
  fullname="Lexique franco-japonais sur l'armement"
  installation-date="13/07/2002 15:04:00"
  name="Armement"
  owner="GETALP"
  type="monovolume"
  xsi:schemaLocation="http://www-clips.imag.fr/geta/services/dml
http://www-clips.imag.fr/geta/services/dml/dml.xsd">
  [...]
</dictionary-metadata>
</d:dictionary-metadata-files>
<d:dictionary-metadata-files xmlns:d="http://www-
clips.imag.fr/geta/services/dml">
<dictionary-metadata
  xmlns="http://www-clips.imag.fr/geta/services/dml"
  xmlns:d="http://www-clips.imag.fr/geta/services/dml"
  xmlns:xlink="http://www.w3.org/1999/xlink"
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  category="bilingual"
  creation-date="13/07/2002 00:00:00"
  fullname="Lexique franco-japonais sur l'armement"
  installation-date="13/07/2002 15:04:00"
  name="Armement"
  owner="GETALP"
  type="monovolume"
  xsi:schemaLocation="http://www-clips.imag.fr/geta/services/dml
http://www-clips.imag.fr/geta/services/dml/dml.xsd">
  [...]
</dictionary-metadata>
</d:dictionary-metadata-files>
</d:dictionary-metadata-list>

```

## Description of a dictionary

URL	api/[dictionary]/
Method	GET
ContentType	application/xml
Returns	200 OK & XML (dictionary metadata) 401 Unauthorized (wrong credentials) 404 Not Found

See [the previous note](#) for available dictionaries

Example of query:

```
curl -u user:password "api/MyDict/"
```

Answer:

```

<?xml version="1.0" encoding="UTF-8"?>
<d:dictionary-metadata-files xmlns:d="http://www-
clips.imag.fr/geta/services/dml">
  <dictionary-metadata

```

```

xmlns="http://www-clips.imag.fr/geta/services/dml"
xmlns:d="http://www-clips.imag.fr/geta/services/dml"
xmlns:xlink="http://www.w3.org/1999/xlink"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
category="bilingual"
creation-date="13/07/2002 00:00:00"
fullname="My dictionary"
installation-date="13/07/2002 15:04:00"
name="MyDict"
owner="GETALP"
type="monovolume"
xsi:schemaLocation="http://www-clips.imag.fr/geta/services/dml
http://www-clips.imag.fr/geta/services/dml/dml.xsd">
  <languages>
    <source-language d:lang="fra"/>
    <source-language d:lang="jpn"/>
    <target-language d:lang="fra"/>
    <target-language d:lang="jpn"/>
  </languages>
  <contents>general vocabulary</contents>
  <domain>general</domain>
  <source>Mathieu Mangeot - NII</source>
  <authors>MML</authors>
  <legal>all rights belong to NII</legal>
  <access>private</access>
  <comments/>
  <administrators>
    <user-ref name="toto"/>
  </administrators>
  <volumes>
    <volume-metadata-ref source-language="fra"
xlink:href="Armement_fra-metadata.xml"/>
    <volume-metadata-ref source-language="jpn"
xlink:href="Armement_jpn-metadata.xml"/>
  </volumes>
  <xsl-styleSheet name="Armement" xlink:href="Armement-
view.xsl"/>
  </dictionary-metadata>
</d:dictionary-metadata-files>

```

## Creating a dictionary

URL	api/[dictionary]
Method	POST
ContentType	application/xml
Returns	201 Created & XML (dict metadata)
	400 Bad Request (XML not valid)
	401 Unauthorized (wrong credentials)
	409 Conflict (dictionary already existing)
	415 Unsupported Media Type (content-type not XML)
	422 Unprocessable Entity (XML not semantically correct)

The data to be sent with the POST command is the XML of the dictionary metadata and optionally the XSL stylesheet associated to the dictionary.

Note: the user has to be [logged](#) and in the admin group.

Example of query:

```

curl -X POST \
-u user:password \
-H "Accept: application/xml" \

```

```

-H "Content-Type: application/xml;charset=UTF-8" \
-d '<?xml version="1.0" encoding="UTF-8"?>
<d:dictionary-metadata-files xmlns:d="http://www-
clips.imag.fr/geta/services/dml">
  <dictionary-metadata
    xmlns="http://www-clips.imag.fr/geta/services/dml"
    xmlns:d="http://www-clips.imag.fr/geta/services/dml"
    xmlns:xlink="http://www.w3.org/1999/xlink"
    xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
    category="bilingual"
    creation-date="2015-05-14T07:44:55+02:00"
    fullname="Dictionnaire japonais-français par Gustave Cesselin"
    installation-date="2015-05-14T07:44:55+02:00"
    last-modification-date="2015-05-14T07:45:53+02:00"
    name="Cesselin"
    owner="mangeot"
    type="monodirectional"
    xsi:schemaLocation="http://www-clips.imag.fr/geta/services/dml
http://www-clips.imag.fr/geta/services/dml/dml.xsd">
    [...]
  </dictionary-metadata>
  <xsl:stylesheet>
    [...]
  </xsl:stylesheet>
  <xsl:stylesheet>
    [...]
  </xsl:stylesheet>
</d:dictionary-metadata-files>
'\
"api/Cesselin"

```

Answer is the data sent

## Modifying a dictionary

URL	api/[dictionary]
Method	PUT
ContentType	application/xml
Returns	201 Created & XML (dict metadata)
	400 Bad Request (XML not valid)
	401 Unauthorized
	404 Not Found (dictionary not found)
	415 Unsupported Media Type (content-type not XML)
	422 Unprocessable Entity (XML not semantically correct)

The data to be sent with the PUT command is the XML of the dictionary metadata and optionally the XSL stylesheet associated to the dictionary.

Note: the user has to be [logged](#) and in the admin group.

Example of query:

```

curl -X PUT \
-u user:password \
-H "Accept: application/xml" \
-H "Content-Type: application/xml;charset=UTF-8" \
-d '<?xml version="1.0" encoding="UTF-8"?>
<d:dictionary-metadata-files xmlns:d="http://www-
clips.imag.fr/geta/services/dml">
  <dictionary-metadata
    xmlns="http://www-clips.imag.fr/geta/services/dml"
    xmlns:d="http://www-clips.imag.fr/geta/services/dml"
    xmlns:xlink="http://www.w3.org/1999/xlink"

```

```

xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
category="bilingual"
creation-date="2015-05-14T07:44:55+02:00"
fullname="Dictionnaire japonais-français par Gustave Cesselin"
installation-date="2015-05-14T07:44:55+02:00"
last-modification-date="2015-05-14T07:45:53+02:00"
name="Cesselin"
owner="mangeot"
type="monodirectional"
xsi:schemaLocation="http://www-clips.imag.fr/geta/services/dml
http://www-clips.imag.fr/geta/services/dml/dml.xsd">
[... ]
</dictionary-metadata>
<xsl:stylesheet>
[... ]
</xsl:stylesheet>
</d:dictionary-metadata-files>
'\
"api/Cesselin"

```

Answer is the data sent

### Deleting a dictionary

URL	api/[dictionary]
Method	DELETE
Returns	204 No Content & XML (contribution)
	401 Unauthorized
	404 Not Found

Note: the user has to be [logged](#) and in the admin group.

Example of query:

```

curl -X DELETE \
-u user:password \
"api/Cesselin"

```

Answer is not significant

### Description of a volume

URL	api/[dictionary]/[lang]/
Method	GET
ContentType	application/xml
Returns	200 OK & XML (volume metadata)
	401 Unauthorized (wrong credentials)
	404 Not Found

See [the previous note](#) for available dictionaries

Example of query:

```

curl -u user:password "api/MyDict/fra/"

```

Answer:

```

curl -X POST \
-u user:password \
-H "Accept: application/xml" \
-H "Content-Type: application/xml;charset=UTF-8" \

```

```

-d '<?xml version="1.0" encoding="UTF-8"?>
<d:volume-metadata-files xmlns:d="http://www-
clips.imag.fr/geta/services/dml">
  <volume-metadata xmlns="http://www-clips.imag.fr/geta/services/dml"
  xmlns:d="http://www-clips.imag.fr/geta/services/dml"
  xmlns:xlink="http://www.w3.org/1999/xlink"
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  category="bilingual"
  creation-date="2015-05-14T07:44:55+02:00"
  fullname="Dictionnaire japonais-français par Gustave Cesselin"
  installation-date="2015-05-14T07:44:55+02:00"
  last-modification-date="2015-05-14T07:45:53+02:00"
  name="Cesselin"
  owner="mangeot"
  type="monodirectional"
  xsi:schemaLocation="http://www-clips.imag.fr/geta/services/dml
http://www-clips.imag.fr/geta/services/dml/dml.xsd">
  [...]
</volume-metadata>
<d:template-entry>
  [...]
</d:template-entry>
<d:template-interface>
  [...]
</d:template-interface>
<xs:schema elementFormDefault="qualified"
xmlns:xs="http://www.w3.org/2001/XMLSchema">
  [...]
</xs:schema>
<xsl:stylesheet>
  [...]
</xsl:stylesheet>
</d:volume-metadata-files>
'\
"api/Cesselin/jpn"

```

## Creating a volume

URL	api/[dictionary]/[lang]
Method	POST
ContentType	application/xml
Returns	201 Created & XML (volume metadata)
	400 Bad Request (XML not valid)
	401 Unauthorized
	404 Not Found (dictionary not found)
	409 Conflict (volume already existing)
	415 Unsupported Media Type (content-type not XML)
	422 Unprocessable Entity (XML not semantically correct)

The data to be sent with the POST command is the XML of the volume metadata, the template entry, and optionally, the XML schema, the template interface and the XSL stylesheet associated to the dictionary. Note: the user has to be [logged](#) and in the admin group.

Example of query:

```

curl -X POST \
-u user:password \
-H "Accept: application/xml" \
-H "Content-Type: application/xml;charset=UTF-8" \
-d '<?xml version="1.0" encoding="UTF-8"?>
<d:volume-metadata-files xmlns:d="http://www-

```

```

clips.imag.fr/geta/services/dml">
  <volume-metadata xmlns="http://www-clips.imag.fr/geta/services/dml"
xmlns:d="http://www-clips.imag.fr/geta/services/dml"
xmlns:xlink="http://www.w3.org/1999/xlink"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" category="bilingual"
creation-date="2015-05-14T07:44:55+02:00" fullname="Dictionnaire japonais-
français par Gustave Cesselin" installation-date="2015-05-
14T07:44:55+02:00" last-modification-date="2015-05-14T07:45:53+02:00"
name="Cesselin" owner="mangeot" type="monodirectional"
xsi:schemaLocation="http://www-clips.imag.fr/geta/services/dml http://www-
clips.imag.fr/geta/services/dml/dml.xsd">
  [...]
</volume-metadata>
<d:template-entry>
  [...]
</d:template-entry>
<d:template-interface>
  [...]
</d:template-interface>
<xs:schema elementFormDefault="qualified"
xmlns:xs="http://www.w3.org/2001/XMLSchema">
  [...]
</xs:schema>
<xsl:stylesheet>
  [...]
</xsl:stylesheet>
</d:volume-metadata-files>
'\
"api/Cesselin/jpn"

```

Answer is the data sent

## Modifying a volume

URL	api/[dictionary]/[lang]
Method	PUT
ContentType	application/xml
Returns	201 Created & XML (volume metadata)
	400 Bad Request (XML not valid)
	401 Unauthorized
	404 Not Found (dictionary or volume not found)
	415 Unsupported Media Type (content-type not XML)
	422 Unprocessable Entity (XML not semantically correct)

The data to be sent with the PUT command is the XML of the volume metadata, the template entry, and optionally, the XML schema, the template interface and the XSL stylesheet associated to the dictionary.

Note: the user has to be [logged](#) and in the admin group.

Example of query:

```

curl -X PUT \
-u user:password \
-H "Accept: application/xml" \
-H "Content-Type: application/xml;charset=UTF-8" \
-d '<?xml version="1.0" encoding="UTF-8"?>
<d:volume-metadata-files xmlns:d="http://www-
clips.imag.fr/geta/services/dml">
  <volume-metadata xmlns="http://www-clips.imag.fr/geta/services/dml"
xmlns:d="http://www-clips.imag.fr/geta/services/dml"
xmlns:xlink="http://www.w3.org/1999/xlink"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" category="bilingual"
creation-date="2015-05-14T07:44:55+02:00" fullname="Dictionnaire japonais-

```



```
français par Gustave Cesselin" installation-date="2015-05-
14T07:44:55+02:00" last-modification-date="2015-05-14T07:45:53+02:00"
name="Cesselin" owner="mangeot" type="monodirectional"
xsi:schemaLocation="http://www-clips.imag.fr/geta/services/dml http://www-
clips.imag.fr/geta/services/dml/dml.xsd">
  [...]
</volume-metadata>
<d:template-entry>
  [...]
</d:template-entry>
<d:template-interface>
  [...]
</d:template-interface>
<x:schema elementFormDefault="qualified"
xmlns:xs="http://www.w3.org/2001/XMLSchema">
  [...]
</xs:schema>
<xsl:stylesheet>
  [...]
</xsl:stylesheet>
</d:volume-metadata-files>
'\
"api/Cesselin/jpn"
```

Answer is the data sent

### Deleting a volume

URL	api/[dictionary]/[lang]
Method	DELETE
Returns	204 No Content & XML (contribution) 401 Unauthorized 404 Not Found

Note: the user has to be [logged](#) and in the admin group.

Example of query:

```
curl -X DELETE \
-u user:password \
"api/Cesselin/jpn"
```

Answer is not significant

### Requesting a contribution

Note: a contribution is an entry with its metadata (status, author, dates, etc.). A contribution is unique, wether an entry can have multiple values depending of its status.

URL	api/[dictionary]/[lang]/[contributionId]
Method	GET
ContentType	application/xml application/json
Returns	200 OK & contribution (XML or json) 401 Unauthorized 404 Not Found

Example of query:

```
curl -X GET \
-H "Accept: application/xml" \
"api/Fem/fra/fra.abandonner.8814938.c"
```

Answer:

```
<?xml version="1.0" encoding="UTF-8"?>
<volume name="FeM_fra" source-language="fra" target-languages="eng msa"
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xsi:noNamespaceSchemaLocation="http://www-
clips.imag.fr/geta/services/dml/fem.xsd">
<d:contribution
  d:contribid="fra.abandonner.8814938.c"
  d:originalcontribid=""
  xmlns:d="http://www-clips.imag.fr/geta/services/dml"
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xsi:schemaLocation="http://www-clips.imag.fr/geta/services/dml
http://www-clips.imag.fr/geta/services/dml/dml.xsd">
  <d:metadata>
    <d:author>automatic</d:author><
    <d:creation-date>2009/05/07 13:59:57</d:creation-date>
    ...
  <d:data>
    <entry id="fra.abandonner.8814938.e">
      <headword>abandonner</headword><hom/>
      <prnc>aban-done-</prnc>
      <aux/>
      <body>
        <sense-list>
          <sense>
            <pos-list>v.tr.</pos-list>
            ...
          </sense>
        </sense-list>
      </body>
    </entry>
  </d:data>
</d:contribution>
</volume>
```

## Modifying an entire contribution

URL	api/[dictionary]/[lang]/[entryId]	
Method	PUT	
ContentType	application/xml	
Querystring	mode=	standard replace
Returns	201 Created & XML (contribution) 400 Bad Request (XML not valid) 401 Unauthorized 404 Not Found 415 Unsupported Media Type (content-type not XML)	

The data to be sent with the PUT command is the XML of the contribution (volume + metadata + entry) or the entry only (see the example). The server will create a new contribution with the data sent and will change the status of the existing contribution as "classified".

Note 1: the entry XML code must be complete with volume and contribution tags.

Note 2: the user has to be [logged](#) and in the specialist group.

Note 3: A Mode parameter can be used to avoid replace the XML code of the existing contribution instead of creating a new one. Proceed with care because it can be very dangerous. The user has to be [logged](#) and in the admin group.

standard	creates a new contribution (default mode)
replace	replace the xml code of the existing contribution

Example of query:

```

curl -X PUT \
-u user:password \
-H "Accept: application/xml" \
-H "Content-Type: application/xml;charset=UTF-8" \
-d '<?xml version="1.0" encoding="UTF-8"?>
<article id="jpn.ケース.14723001.e">
  <forme>
    <vedette>
      <vedette-romaji>kēsu</vedette-romaji>
      <vedette-hiragana>けえす</vedette-hiragana>
      <vedette-jpn>ケース</vedette-jpn>
    </vedette>
    <cat-gram>名</cat-gram>
  </forme>
  <sémantique>
    <sens>
      <texte-sens>boite, cas, ciasse</texte-sens>
    </sens>
  </sémantique>
</article>
'\
"api/Cesselin/jpn/jpn.ケース.14723001.e"

```

Answer:

```

<?xml version="1.0" encoding="UTF-8"?>
<volume langue-cible="fra" langue-source="jpn" nom="Cesselin_jpn_fra">
<d:contribution
  xmlns:d="http://www-clips.imag.fr/geta/services/dml"
  d:contribid="jpn.ケース.14723001.c"
  d:originalcontribid="jpn.ケース.14723001.c">
  <d:metadata>
    <d:author>automatic</d:author>
    <d:groups/>
    <d:creation-date>2015/07/15 23:16:14</d:creation-date>
    <d:status>finished</d:status>
    <d:previous-classified-finished-contribution/>
  </d:metadata>
  <d:data>
    <article id="jpn.ケース.14723001.e">
      <forme>
        <vedette>
          <vedette-romaji>kēsu</vedette-romaji>
          <vedette-hiragana>けえす</vedette-hiragana>
          <vedette-jpn>ケース</vedette-jpn>
        </vedette>
        <cat-gram>名</cat-gram>
      </forme>
      <sémantique>
        <sens>
          <texte-sens>boite, cas, ciasse</texte-sens>
        </sens>
      </sémantique>
    </article>
  </d:data>
</d:contribution>
</volume>

```

## Modifying part of a contribution

URL	api/[dictionary]/[lang]/[contributionId]/[string]
-----	---

Method	PUT
ContentType	application/xml
Returns	201 Created & XML (contribution)
	400 Bad Request (XPath not valid)
	401 Unauthorized
	404 Not Found

The data to be sent with the PUT command is the xpath of the element or attribute to be modified. [string] is the new value.

Note: the user has to be [logged](#).

Example of query:

```
curl -X PUT \
  -u user:password \
  -H "Accept: application/xml" \
  -H "Content-Type: application/xml;charset=UTF-8" \
  -d '/volume/d:contribution/d:data/article/vedette-jpn/text()'\
  "api/Cesselin/jpn/jpn.ケース.14723001.c/ケース"
```

Answer:

```
<?xml version="1.0" encoding="UTF-8"?>
<volume>
<d:contribution
  xmlns:d="http://www-clips.imag.fr/geta/services/dml"
  d:contribid="jpn.ケース.14723001.c"
  d:originalcontribid="jpn.ケース.14723001.c">
<d:metadata>
  <d:author>automatic</d:author>
  <d:groups/>
  <d:creation-date>2015/07/15 23:16:14</d:creation-date>
  <d:status>finished</d:status>
  <d:previous-classified-finished-contribution/>
</d:metadata>
<d:data>
  <article id="jpn.ケース.14723001.e">
    <forme>
      <vedette>
        <vedette-romaji>kēsu</vedette-romaji>
        <vedette-hiragana>けえす</vedette-hiragana>
        <vedette-jpn>ケース</vedette-jpn>
      </vedette>
      <cat-gram>名</cat-gram>
    </forme>
    <sémantique>
      <sens>
        <texte-sens>boite, cas, ciasse</texte-sens>
      </sens>
    </sémantique>
  </article>
</d:data>
</d:contribution>
</volume>
```

## Creating entries or contributions

URL	api/[dictionary]/[lang]/[entryId]
Method	POST
ContentType	application/xml

Returns	201 Created & XML (contribution)
	400 Bad Request (XML not valid)
	401 Unauthorized
	409 Conflict (entry already existing)
	415 Unsupported Media Type (content-type not XML)
422 Unprocessable entity (XML not semantically correct)	

The data to be sent with the POST command is the XML of the entries or contributions (entry + metadata).

Note 1: the XML code of the entries or contributions must be complete with the volume tag.

Note 2: the user has to be [logged](#) and in the validator group.

Examples of query:

```
curl -X POST \
-u user:password \
-H "Accept: application/xml" \
-H "Content-Type: application/xml;charset=UTF-8" \
-d '<?xml version="1.0" encoding="UTF-8"?>
<volume>
<article id="jpn.ケース.14723001.e">
  <forme>
    <vedette>
      <vedette-romaji>kēsu</vedette-romaji>
      <vedette-hiragana>けえす</vedette-hiragana>
      <vedette-jpn>ケース</vedette-jpn>
    </vedette>
    <cat-gram>名</cat-gram>
  </forme>
  <sémantique>
    <sens>
      <texte-sens>boite, cas, ciasse</texte-sens>
    </sens>
  </sémantique>
</article>
</volume>
'\
  "api/Cesselin/jpn/jpn.ケース.14723001.e"
```

```
curl -X POST \
-u user:password \
-H "Accept: application/xml" \
-H "Content-Type: application/xml;charset=UTF-8" \
-d '@myfilename.xml'\
  "api/Cesselin/jpn/jpn.ケース.14723001.e"
```

Note: filename.xml is an XML file containing the entry.

Answer:

```
<?xml version="1.0" encoding="UTF-8"?>
<volume>
<d:contribution
  xmlns:d="http://www-clips.imag.fr/geta/services/dml"
  d:contribid="jpn.ケース.14723001.c"
  d:originalcontribid="jpn.ケース.14723001.c">
  <d:metadata>
    <d:author>automatic</d:author>
    <d:groups/>
    <d:creation-date>2015/07/15 23:16:14</d:creation-date>
    <d:status>finished</d:status>
```

```

<d:previous-classified-finished-contribution/>
</d:metadata>
<d:data>
  <article id="jpn.ケース.14723001.e">
    <forme>
      <vedette>
        <vedette-romaji>kēsu</vedette-romaji>
        <vedette-hiragana>けえす</vedette-hiragana>
        <vedette-jpn>ケース</vedette-jpn>
      </vedette>
      <cat-gram>名</cat-gram>
    </forme>
    <sémantique>
      <sens>
        <texte-sens>boite, cas, classe</texte-sens>
      </sens>
    </sémantique>
  </article>
</d:data>
</d:contribution>
</volume>

```

## Deleting a contribution

URL	api/[dictionary]/[lang]/[contributionId]
Method	DELETE
Returns	204 No Content & XML (contribution) 401 Unauthorized 404 Not Found

Note: the user has to be [logged](#) and in the admin group.

Example of query:

```

curl -X DELETE \
  -u user:password \
  "api/Cesselin/jpn/jpn.ケース.14723001.c"

```

Answer is not significant

## Querying entries

URL	api/[dictionary]/[lang]/[criteria]/[string]	
URL	api/[dictionary]/[lang]/[criteria]/[string]/[key]	
ContentType	application/xml application/json	
Method	GET	
Querystring	strategy=	strategy
	count=	count
	startIndex=	startIndex
	orderBy=	asc / desc
Returns	200 OK & XML or JSON (entry handle, key value or full XML) 401 Unauthorized 404 Not Found	

The searches with the [key] part give the value of the key for the corresponding entries. For example, searching an entry with *api/\*eng/cdm-headword/trial/cdm-pos* will give a list of parts-of-speech for the "trial" entry.

Several keys can be used at once. They have to be separated with the "|" pipe symbol. For example, searching an entry with *api/\*jpn/cdm-headword|cdm-reading/ぜんとう* will give a list of handles for entries with headwords or

readings matching "ぜんとう".

It is possible to query all the dictionaries by putting a \* instead of the name of the dictionary. It is also possible to do the same for the [lang] and [key] part of the URL.

Several strings can be queried at once. They have to be separated with the "|" pipe symbol. For example, searching an entry with `api/*/eng/cdm-headword/trial|essay/` will give a list of handles for entries with headwords matching "trial" or "essay".

The **handle** criteria is special as it does not give a list of entry handles but the full entry XML content.

Example of query:

```
curl -X GET \  
-H "Accept: application/xml" \  
"api/FeM/fra/cdm-headword/abandon?strategy=EQUAL"
```

Answer:

```
<?xml version="1.0" encoding="UTF-8"?>  
<entry-list xmlns="http://www-clips.imag.fr/geta/services/dml">  
  <entry dictionary="FeM" lang="fra">  
    <criteria value='cdm-headword'>abandon</criteria>  
    <handle>8814938</handle>  
  </entry>  
</entry-list>
```

Example of query:

```
curl -X GET \  
-H "Accept: application/xml" \  
"api/FeM/fra/cdm-headword/abandonner/cdm-pos"
```

Answer:

```
<?xml version="1.0" encoding="UTF-8"?>  
<entry-list xmlns="http://www-clips.imag.fr/geta/services/dml">  
  <entry dictionary="FeM" lang="fra">  
    <criteria value='cdm-headword'>abandonner</criteria>  
    <handle>8814938</handle>  
    <key value='cdm-pos'>v.t.</key>  
  </entry>  
</entry-list>
```

Example of query:

```
curl -X GET \  
-H "Accept: application/xml" \  
"api/FeM/fra/handle/8814938"
```

Answer:

```
<?xml version="1.0" encoding="UTF-8"?>  
<volume name="FeM_fra" source-language="fra" target-languages="eng msa"  
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"  
  xsi:noNamespaceSchemaLocation="http://www-  
clips.imag.fr/geta/services/dml/fem.xsd">  
<d:contribution  
  d:contribid="fra.abandonner.8814938.c"
```

```

d:originalcontribid=""
xmlns:d="http://www-clips.imag.fr/geta/services/dml"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://www-clips.imag.fr/geta/services/dml
http://www-clips.imag.fr/geta/services/dml/dml.xsd">
<d:metadata>
  <d:author>automatic</d:author><
  <d:creation-date>2009/05/07 13:59:57</d:creation-date>
  ...
<d:data>
  <entry id="fra.abandonner.8814938.e">
    <headword>abandonner</headword><hom/>
    <prnc>aban-done-</prnc>
    <aux/>
    <body>
      <sense-list>
        <sense>
          <pos-list>v.tr.</pos-list>
          ...
        </sense>
      </sense-list>
    </body>
  </entry>
</d:data>
</d:contribution>
</volume>

```

Example of query:

```

curl -X GET \
-H "Accept: application/json" \
"api/Cesselin/jpn/cdm-headword/テーブル/?strategy=EQUAL"

```

Answer:

```

{"entry-list": {
  "entry": {
    "handle": "19734730",
    "criteria": {
      "content": "テーブル",
      "name": "cdm-headword",
      "value": "テーブル",
      "strategy": "EQUAL"
    },
    "dictionary": "Cesselin",
    "lang": "jpn"
  },
  "xmlns": "http://www-clips.imag.fr/geta/services/dml"
}}

```

### Criteria and keys

Criteria only are one of the following:

handle	unique entry handle specific to the server database
previous	previous entry following the volume lexicographic order
next	previous entry following the volume lexicographic order

For the above criteria, the string must be an entry handle.

Criteria and keys are one of the following:

cdm-entry-id	entry id
cdm-headword	entry headword
cdm-headword-variant	entry headword variant



cdm-reading	entry headword reading (ex: japanese kana)
cdm-writing	entry headword transcription (ex: pinyin for Chinese)
cdm-pronunciation	entry headword pronunciation (Usually in IPA but it depends on the resource)
cdm-pos	entry part-of-speech (can be "n", "noun", etc. It depends on the resource)
cdm-definition	entry definition
cdm-domain	entry domains
cdm-translation	entry headword translations in another language
cdm-example	entry examples
cdm-idiom	entry idioms
cdm-contribution-id	contribution id
cdm-previous-classified-finished-contribution	previous contribution id
cdm-contribution-author	contribution author
cdm-contribution-creation-date	contribution creation date (yyyy/mm/dd HH:mm:ss)
cdm-contribution-finition-date	contribution finition date (yyyy/mm/dd HH:mm:ss)
cdm-modification-author	modification author
cdm-modification-date	modification date (yyyy/mm/dd HH:mm:ss)
cdm-contribution-status	contribution status

Note: criteria and keys depend on the resource. A criteria or a key might not be available for one specific resource. Other criteria and keys not in the list may exist only for one specific resource.

cdm stands for Common Dictionary Markup

Keys only are one of the following:

entries	XML code of the 100 first entries satisfying the criteria
pivax	UNL translations of a word via axemes and axes

### Strategy

Strategy is one of the following:

EQUAL	indexed search
CASE_SENSITIVE_STARTS_WITH	indexed search
CASE_SENSITIVE_ENDS_WITH	sequential search
CASE_SENSITIVE_CONTAINS	sequential search
CASE_INSENSITIVE_EQUAL	indexed search
CASE_INSENSITIVE_STARTS_WITH	indexed search
CASE_INSENSITIVE_ENDS_WITH	sequential search
CASE_INSENSITIVE_CONTAINS	sequential search
NOT_EQUAL	indexed search
GREATER_THAN	indexed search
GREATER_THAN_OR_EQUAL	indexed search
LESS_THAN	indexed search
LESS_THAN_OR_EQUAL	indexed search

Default strategy is CASE\_INSENSITIVE\_STARTS\_WITH

- All the answers are in XML and encoded in UTF-8.
- *lang* is the ISO 639-2/T 3 letter code of the language (eg: 'eng' for English,'esp' for Spanish,'fra' for French, etc.)
- All parameters are case sensitive (dictionary, contributionId, string, etc.)
- Dates are in the following format: yyyy/mm/dd HH:mm:ss
- It is possible to use the SQL '%' metacharacter in queries.

### Querying entries using link (for pivax data)

URL	api/[dictionary]/[lang]/link/[headword]
-----	---

Method	GET
ContentType	application/xml
	application/json
Returns	200 OK & XML (entryId, headword)
	401 Unauthorized
	404 Not Found

Example of query:

```
curl -X GET \
-H "Accept: application/xml" \
"api/CommonUNLDict/fra/link/manger"
```

Answer:

```
<?xml version="1.0" encoding="UTF-8"?>
<entry-list>
  <entry dictionary="CommonUNLDict" lang="eng">
    <entryId>eng.eat.v</entryId>
    <headword>eat</headword>
  </entry>
  <entry dictionary="CommonUNLDict" lang="fra">
    <entryId>fra.manger.v</entryId>
    <headword>manger</headword>
  </entry>
  <entry dictionary="CommonUNLDict" lang="unl">
    <entryId>eat(icl>consume>do,agt>living_thing,obj>concrete_thing,ins>thing)
    </entryId>
    <headword>eat</headword>
  </entry>
</entry-list>
```

## Authentication methods

Authentication method is one of the following:

BasicAuth	login and password are encoded in base 64 and sent to the server in the request header. This method is not secure because the encryption method is easy to decrypt.
Authentication cookie	cookies are sent to the server in the request header. In order to ask for an authentication cookie, please visit the <a href="#">login page</a> .
Querystring	login=login
	password=password
	This method is not secure at all : login and password are sent in cleartext. They will even be registered on the web server logs!

## Misc

If you need more help, send an email to [Mathieu Mangeot](#).