

# Description Document for Tmxmall Translation Memory API

Name	Description Document for Tmxmall Translation Memory API
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**Modification Record**

No	Version No. after Modification	Introduction to Modification	Date of Modification	Modifier
1	1.0.0	V1.0.0	24/03/2015	Chen Jian
2	2.0.0	V2.0.0	20/01/2016	Chen Jian

## 1. Verification API of User ClientId

Translation Memory API integrators need to verify whether the account information is correct while they set their account. API to be verified is as follows:

### 1.1 URL of API

[http://api.tmxmall.com/v1/http/clientIdVerify?user\\_name=XXXX&client\\_id=12334455&de=trados](http://api.tmxmall.com/v1/http/clientIdVerify?user_name=XXXX&client_id=12334455&de=trados)

Get request without logging in required

### 1.2 Parameters Input

Parameter Name	Description	Parameter Type	Null (Y/N)
user_name	Tmxmall Register E-mail	Character	N
client_id	Client_id	Character	N
De	Caller	Character	N

Description: Client\_id is the API key of Tmxmall, which can be found in personal center of Tmxmall website.

### 1.3 Parameters Returned

Parameter Name	Description	Parameter Type	Null (Y/N)
error_code	Error Code	Character	N
error_msg	Error Message	Character	N

The parameter returned is in the form of json as follows:

Success {"error\_code": "0", "error\_msg": "success"}

Failure: {"error\_code": "1", "error\_msg": "system exception"}

### 1.4 Description on Error Code Description

There are three error codes of TB01002, TB01001, TB01021, that may occur at present, and other unknown errors are totally named as system errors.

Error Code	Error Description
0	Client_id authenticated
TB01002	System error
TB01001	Illegal parameter (including client_Id mismatching)
TB01021	The user name does not exist

### 1.5 Other Abnormalities

1. The timeout of verifying API is 5 seconds, if no information is returned in 5 seconds, the software may consider that the Tmxmall Website or the network times out.

## 2. API Searching Interface

### 2.1 Interface URL

[http://api.tmxmall.com/v1/http/translate?text=XXXX&fuzzy\\_threshold=0.3&user\\_name=XXX&client\\_id=d0c78b242894a032cb8c3aa7483284b4&tu\\_num=2&gls\\_num=5&de=trados](http://api.tmxmall.com/v1/http/translate?text=XXXX&fuzzy_threshold=0.3&user_name=XXX&client_id=d0c78b242894a032cb8c3aa7483284b4&tu_num=2&gls_num=5&de=trados)

### 2.2 Parameters Input

Parameter Name	Description	Parameter Type	Null (Y/N)
user_name	Tmxmall Register Email	Character	N
client_id	Client_id	Character	N
De	Caller	Character	N
Text	Retrieving Content	Character	N
fuzzy_threshold	Similarity Threshold	Character	N
tu_num	Qty. of Sentences Returned	Character	N
gls_num	Qty. of Terms Returned	Character	N

Description: Client\_id is the API key of Tmxmall which can be found in personal center of Tmxmall website.

### 2.3 Parameters Returned

Parameter Name	Meaning	Description
error_code	Error Code	Error code 0 represents a normal return, Error code starting with TB will be returned in case of improper use or system error
error_msg	Error Message	Error message
From	Source Language (Same as parameters list)	Input the language encoding of sentences or terms
To	Target Language (Same as parameters list)	Output the Language encoding of sentences or terms
fuzzy_threshold	Similarity Threshold	
tu_num	Qty. of Sentences Returned	
gls_num	Qty. of Terms Returned	

Text	Same as Parameters List	
fuzzy_threshold	Same As Parameters List	
tu_num	Same As Parameters List	Tu_num here is the number of sentences of translation memories required to be returned when calling the API. If not set, it will return one sentence in default
gls_num	Same As Parameters List	Gls_num here is the number of terms required to be returned when calling the API. If not set, it will not return in default
tu_set	Array, Collection of Sentence Pair	Return to the collection of sentence pair in translation memories
gls_set	Array, Collection of Term Pair	Return to the collection of term pair
Src	Source Sentence	Corresponding sentences of source language (from)
Tgt	Target Sentence	Corresponding sentences of target language (to)
Fuzzy	Similarity	Similarity of the requested parameter of the text and source sentence in translation memory, based on BLEU method

## 2.4 Error Code Description

Error Code	Error description
0	Client_id authenticated
TB01002	System error
TB01001	Illegal parameter (including clientId mismatching)
TB01021	The user name does not exist
TB02000	Call more than XX times on the day

The parameter returned is in the for of json as follows:

```
Success : { "error_code": "0", "error_msg": "成功", "from": "zh", "to": "en", "text": "中国人民银行", "fuzzy_threshold": 0.0, "tu_num": 2, "gls_num": 1, "tu_set": [{"index": 0, "src": "第二十一条 金银质地纪念币"}]}
```

的铸造、发行由中国人民银行办理，其他任何单位不得铸造、仿造和发行。","tgt":"Article 21. The casting and issuing of gold and silver-based commemorative coins shall be handled by the People's Bank of China. No other units shall cast, copy or issue such items.,"fuzzy":0.09053265,"user":"tmxmall tm"),{"index":0,"src":"中国合营者出资的人民币现金，需要折算成外币的，按缴款当日中国人民银行公布的基准汇率折算。","tgt":"Where the cash contribution in Renminbi made by the Chinese party needs to be converted into a foreign currency, it shall be converted at the standard exchange rate published by the People's Bank of China on the day the payment is made.,"fuzzy":0.086610675,"user":"tmxmall tm"}], "gls\_set":[]}

### 3. API Writing Interface

#### 3.1 Interface URL

[http://api.tmxmall.com/v1/http/set?seg=XXXX&tra=XXXX&user\\_name=XXX&client\\_id=d0c78b242894a032cb8c3aa7483284b4&de=trados&version=2015](http://api.tmxmall.com/v1/http/set?seg=XXXX&tra=XXXX&user_name=XXX&client_id=d0c78b242894a032cb8c3aa7483284b4&de=trados&version=2015)

#### 3.2 Input Parameters Input

Parameter Name	Description	Parameter Type	Null (Y/N)
user_name	Tmxmall Register E-mail	Character	N
client_id	Client_id	Character	N
seg	Written source language	Character	N
tra	Written target text	Character	N
de	Caller	Character	N
version	Caller's software version	Character	N

Description: Client\_id is the API key of Tmxmall which can be found in personal center of Tmxmall website.

#### 3.3. Parameters Returned

Parameter Name	Meaning	Description	Parameter Name
error_code	Error Code	Error code 0 represents a normal return, Error code started with TB will be returned in case of improper use or system error	error_code
error_msg	Error Message	Error message	error_msg

#### 3.4 Error Code Description

Error Code	Error description
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0	Client_id authenticated
TB01002	System error
TB01001	Illegal parameter (including client_Id mismatching)
TB01021	The user name does not exist
TB01048	No translation memory for real-time write in private cloud
TB01049	Private cloud for real-time write is full

The parameter returned is in the form of json as follows:

```
Success {"error_code":"0","error_msg":"success"}
```

### 3.5 Other Abnormalities

1. The timeout of verifying API is 5 seconds, if no information is returned in 5 seconds, the software may consider that the Tmxmall Website or the network times out.