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**GlobalSight Restful APIs**

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# Description of Restful APIs

GlobalSight restful APIs are based on RESTEasy which is provided by Jboss application server.

It applies basic authentication. Every request requires header “Authorization”. Default, the logged user should belong to the company specified by path parameter “companyName”.

A sample URL is [http://hostName:port/restfulServices/companies/{companyName}/tms](http://hostName:port/restfulServices/companies/%7bcompanyName%7d/tms), “tms” points to a translation memory resource. For a TM resource, the URL prefix is same.

A java project is provided in GlobalSight open source code base so that developer can find client code samples for white-box testing purpose: main6\tools\client tools\RestWebServices.

# Translation Memory APIs

## [restfulServices/1.0/companies/{companyName}/tms](http://hostName:port/globalsight/restfulServices/companies/%7bcompanyName%7d/tms) (GET)

**Overview**: Get all project TMs information

**REST Method**: GET

**Method Access:** public

**Path Parameters:**

companyName: current company name.

**Query Parameters:**

None.

**Return Message Sample:**

[

{

"id": 34,

"name": "0001693",

"description": "",

"organization": "",

"domain": "",

"creationUser": "welocalizeadmin",

"companyId": 2

},

{

"id": 15,

"name": "tm-4240-3",

"description": "",

"organization": "",

"domain": "",

"creationUser": "welocalizeadmin",

"companyId": 2

}

]

## restfulServices/1.0/companies/{companyName}/tms/{tmId}/tus (POST)

**Overview**: Create a new TU.

**REST Method**: POST

**Method Access:** public

**Path Parameters:**

companyName: current company name.

tmId: TM ID.

**Query Parameters:**

sourceLocale: the source locale. Required.

sourceSegment: the source string. Required.

targetLocale: the target locale. Required.

targetSegment: the target string. Required.

sid: the SID. Optional.

escapeString: Is convert all the escapable characters into their string

(Escaped) equivalents or not, available values: true|false. Optional.

**Return Message Sample:**

A “success” message.

## restfulServices/1.0/companies/{companyName}/tms/{tmId}/tus/{id} (GET)

**Overview**: Get TU data by ID.

**REST Method**: GET

**Method Access:** public

**Path Parameters:**

companyName: current company name.

tmId: TM ID.

Id: the TU id to query. Required.

**Query Parameters:**

None

**Return Message Sample:**

<tu tuid="1452006">

<tuv xml:lang="EN-US" creationdate="20111216T130931Z" creationid="gselpm">

<prop type="x-creationproject">p1</prop>

<seg><bpt i="1" type="bold" x="1">&lt;B&gt;</bpt>About GlobalSight:<ept i="1">&lt;/B&gt;</ept></seg>

</tuv>

<tuv xml:lang="FR-FR" creationdate="20111216T130931Z" creationid="gselpm" changedate="20160503T173657Z" changeid="system" >

<prop type="x-creationproject">p1</prop>

<seg><bpt i="1" type="bold" x="1">&lt;B&gt;</bpt>Sur GlobalSight:<ept i="1">&lt;/B&gt;</ept></seg>

</tuv>

</tu>

## restfulServices/1.0/companies/{companyName}/tms/{tmId}/tus (GET)

**Overview**: Get TU data by specified start ID and offset.

**REST Method**: GET

**Method Access:** public

**Path Parameters:**

companyName: current company name.

tmId: TM ID.

Id: the TU id to query. Required.

**Query Parameters:**

startId: the start TU id (excluded). Optional. Default start with the first id.

Offset: TU id offset. Optional. Default 1.

sourceLocale: The source locale, like "EN\_US"(case-insensitive). Required.

targetLocale: The target locale, like "FR\_FR"(case-insensitive). Optional.

**Return Message Sample:**

<tu tuid="1452006">

<tuv xml:lang="EN-US" creationdate="20111216T130931Z" creationid="gselpm">

<prop type="x-creationproject">p1</prop>

<seg><bpt i="1" type="bold" x="1">&lt;B&gt;</bpt>About GlobalSight:<ept i="1">&lt;/B&gt;</ept></seg>

</tuv>

<tuv xml:lang="FR-FR" creationdate="20111216T130931Z" creationid="gselpm" changedate="20160503T173657Z" changeid="system" >

<prop type="x-creationproject">p1</prop>

<seg><bpt i="1" type="bold" x="1">&lt;B&gt;</bpt>Sur GlobalSight:<ept i="1">&lt;/B&gt;</ept></seg>

</tuv>

</tu>

<tu tuid="1452007">

<tuv xml:lang="EN-US" creationdate="20111216T130931Z" creationid="gselpm">

<prop type="x-creationproject">p1</prop>

<seg><bpt i="1" type="bold" x="1">&lt;B&gt;</bpt>About GlobalSight TMS:<ept i="1">&lt;/B&gt;</ept></seg>

</tuv>

<tuv xml:lang="FR-FR" creationdate="20111216T130931Z" creationid="gselpm" changedate="20160503T173657Z" changeid="system" >

<prop type="x-creationproject">p1</prop>

<seg><bpt i="1" type="bold" x="1">&lt;B&gt;</bpt>Sur GlobalSight TMS:<ept i="1">&lt;/B&gt;</ept></seg>

</tuv>

</tu>

## restfulServices/1.0/companies/{companyName}/tms/{tmId}/tus (PUT)

**Overview**: Edit Tus by TU TMX content.

**REST Method**: PUT

**Method Access:** public

**Path Parameters:**

companyName: current company name.

tmId: TM ID.

**Query Parameters:**

None.

**Input:** A TU data in TMX.

<tu tuid="1452006">

<tuv xml:lang="EN-US" creationdate="20111216T130931Z" creationid="gselpm" >

<prop type="x-creationproject">p1</prop>

<seg><bpt i="1" type="bold" x="1">&lt;B&gt;</bpt>About GlobalSight:<ept i="1">&lt;/B&gt;</ept></seg>

</tuv>

<tuv xml:lang="FR-FR" creationdate="20111216T130931Z" creationid="gselpm" >

<prop type="x-creationproject">p1</prop>

<seg><bpt i="1" type="bold" x="1">&lt;B&gt;</bpt>Sur GlobalSight:<ept i="1">&lt;/B&gt;</ept></seg>

</tuv>

</tu>

**Return Message Sample:**

A “success” message.

## restfulServices/1.0/companies/{companyName}/tms/{tmId}/tus/{ids} (DELETE)

**Overview**: Delete TU(s) by TU ids.

**REST Method**: DELETE

**Method Access:** public

**Path Parameters:**

companyName: current company name.

tmId: TM ID.

ids: tu ids comma-separated, i.e "12,14,15" or "12,14-20,34". Required.

**Query Parameters:**

None.

**Return Message Sample:**

A “Tus are removed successfully.” message.

## restfulServices/1.0/companies/{companyName}/tms/{tmId}/upload (POST)

**Overview**: Upload TM data file.

After upload is finished, use "import" request to import the TM data file into TM. If a file is too large, API allows to upload multiple times.

**REST Method**: POST

**Method Access:** public

**Path Parameters:**

companyName: current company name.

tmId: TM ID.

**Query Parameters:**

None.

**Input:** TMX file content

**Return Message Sample:**

A “File is uploaded successfully.” message.

## restfulServices/1.0/companies/{companyName}/tms/{tmId}/import (POST)

**Overview**: Import TM data file into TM.

The TM data file is uploaded via "upload" request(s).

**REST Method**: POST

**Method Access:** public

**Path Parameters:**

companyName: current company name.

tmId: TM ID.

**Query Parameters:**

syncMode: option to import data into TM: {merge, overwrite, discard}. Default "merge". Optional

**Return Message Sample:**

A “success” message.

## restfulServices/1.0/companies/{companyName}/tms/{tmId}/export (GET)

**Overview**: Export TM data.

This will trigger a TM exporting event and return an identify key. Then user can use another API "getTmExportStatus" with this identify key to check the export status.

**REST Method**: GET

**Method Access:** public

**Path Parameters:**

companyName: current company name.

tmId: TM ID to export.

**Query Parameters:**

Languages: languages to export like "de\_DE,fr\_FR" or "fr\_FR". Optional. If be empty, export all.

p\_startDate: start time in "yyyyMMdd" format, TM data within current day

will be included. Required.

finishDate: finish time in "yyyyMMdd" format, TM data within current

day will be included. Optional. If be empty, apply current time.

projectNames: project names to export like "project\_name\_01, project\_name\_02" or "project\_name\_01". Optional.

exportFormat: export file formats: "GMX" or "TMX1.4b". Required.

exportedFileName: exported file name. Optional. If be empty, use GlobalSight default name like "tm\_export\_n.tmx" or "tm\_export\_n.xml".

**Return Message Sample:**

An identify key in string which is used to check TM export status

and retrieve TM data.

## restfulServices/1.0/companies/{companyName}/tms/{tmId}/export/{identifyKey} (GET)

**Overview**: Check TM export status and return exported TM data by identify key.

**REST Method**: GET

**Method Access:** public

**Path Parameters:**

companyName: current company name.

tmId: TM ID to export.

identifyKey: identifyKey to help locate where the export file is. Required.

**Query Parameters:**

None.

**Return Message Sample:**

If TM export fails, return “TM export failed” message.

If TM is exporting, return “TM is exporting” message.

If TM export is finished, return the TMX data.

## restfulServices/1.0/companies/{companyName}/tms/{tmIds}/fullTextSearch (GET)

**Overview**: Full text search from specified TMs.

**REST Method**: GET

**Method Access:** public

**Path Parameters:**

companyName: current company name.

tmIds: tm IDs comma separated. Required.

**Query Parameters:**

searchText: Search text. Required.

sourceLocale: source locale like "en\_US". Required.

targetLocale: target locale like "fr\_FR". Required.

creationStartDate: Tuv creation start date in "yyyyMMdd" format. Optional.

creationFinishDate: Tuv creation finish date in "yyyyMMdd" format. Optional.

modifyStartDate: Tuv modify start date in "yyyyMMdd" format. Optional.

modifyFinishDate: Tuv modify finish date in "yyyyMMdd" format. Optional.

**Return Message Sample:**

Queried TM data in XML.

## restfulServices/1.0/companies/{companyName}/tms/leverage (GET)

**Overview**: Leverage segment.

**REST Method**: GET

**Method Access:** public

**Path Parameters:**

companyName: current company name.

**Query Parameters:**

tmProfileName: Translation memory profile name. Required.

searchText: Search text. Required.

sourceLocale: source locale like "en\_US". Required.

targetLocale: target locale like "fr\_FR". Optional.

escapeString: Is convert all the escapable characters into their string

(Escaped) equivalents or not, available values: "true" or "false". Optional.

**Return Message Sample:**

Queried TM data in XML.

# Translation Memory Profile APIs

## restfulServices/1.0/companies/{companyName}/tmprofiles/{id} (GET)

**Overview**: Get translation memory profile by ID.

**REST Method**: GET

**Method Access:** public

**Path Parameters:**

companyName: current company name.

id: translation memory profile ID. Required.

**Query Parameters:**

None

**Return Message Sample:**

Translation memory profile information in JSON. A sample is:

{

"id": 1,

"name": "tmprofile\_1",

"description": "",

"storageTMName": "111",

"referenceTMGrp": [

{

"id": 29,

"referenceTM": "1628"

},

{

"id": 4,

"referenceTM": "131030\_w15OlhConsolidatedPlusNew"

},

{

"id": 28,

"referenceTM": "111"

}

]

}

## restfulServices/1.0/companies/{companyName}/tmprofiles (GET)

**Overview**: Get all translation memory profiles.

**REST Method**: GET

**Method Access:** public

**Path Parameters:**

companyName: current company name.

**Query Parameters:**

None

**Return Message Sample:**

Translation memory profiles information in JSON.