TMEngine

An Open Source Translation Memory Manager

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Overview

TMEngine

TMEngine is an open source Translation Memory ™ manager written in Java.

TMEngine can be used as an embedded library that manages translation memories in a Java application or as a standalone TM server via its RESTfule API.

Java Library

REST API

REST Methods

The REST methods that TMEngine's server support are:

- Create Memory
- List Memories
- Open Memory
- Close Memory
- Import TMX File
- Export TMX File
- Search Translations
- Concordance Search
- Rename Memory
- Delete Memory
- Stop Server

Default TMEngine URL is `http://localhost:8000/TMEngine`./

Note

It is possible to select a custom port for the server, passing the `-port` parameter to the script used for launching it.

All methods return a JSON object with a `status` field. Applications must watch this field and verify that it is set to `OK`.

In case of error, the JSON response includes a field named `reason` that contains the error cause.

Create Memory

End Point: `[TMEngine URL]/create`

Send a `post` request to the method end point with these parameters in a JSON body:

Field	Required	Content
`id`	No	ID of the memory to create. The value of ID must be unique. Default value is current server time represented as the number of milliseconds since January 1, 1970, 00:00:00 GMT.
`name`	Yes	
`owner`	No	
`type`	No	Type of engine to use. Possible values are: `MapDbEngine` (default) and `SQLEngine`

Example:

```
{
   "name": "First Memory",
   "type": "MapDbEngine"
}
```

The server responds with a JSON object containing two fields.

On success, field `status` is set to `OK` and field `id` contains the ID assigned to the new memory.

Example:

```
{
   "status": "OK",
    "id": "1234567890987"
}
```

On error, field `status` is set to `failed` and field `reason` contains the error cause.

Example:

```
{
   "status": "failed",
   "reason": "Duplicated id"
}
```

List Memories

Open Memory

Close Memory

Import TMX File

Export TMX File

Search Translations

Concordance Search

Rename Memory

Delete Memory

Stop Server