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# NEC TM Admin UI Description

Version 1.02



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# 0. Revision Control

Author	Description
Alex Helle	Initial Version of Specification (April 24th 2019)
Amando Estela	Initial Revision (April 25th)
Alex Helle	Update the index (May 22th 2019)
Alex Helle/Alex Raginsky	Changes in the parameters for new functions (metadata) (February 24th 2020)

## 1. INTRODUCTION

### 1.1 Purpose

This admin UI document describes the web and API interface of NEC TM based on ActivaTM, a cloud-based Translation Memory tool. The target audience are managers and advanced users of the tool.

### 1.2 Scope

ActivaTM is a fast, highly-scalable cloud-based Translation Memory tool developed by Pangeanic as a part of the EXPERT EU project. The goal of ActivaTM is to seamlessly integrate all available TMs to serve vendor-independent tools in the standard translation flow. ActivaTM integrates (via plugins) with multiple manual and machine translation software (SDL Studio, PangeaMT, NeuralMT, Bing Translate).

NEC TM Data project will provide the centralised infrastructure for efficient data sharing, TM matching, TM retrieval, and tag categorisation of resources generated by Member States/ EEA. This will enable the development of NEC TM, an open source software developed based on Pangeanic's translation memory database, ActivaTM.

## 1.3 Overview

The document describes the web and API interface of NECTM.

## 1.4 Definitions and Acronyms

*TM* - Translation Memory

*ES* - ElasticSearch

*CAT* - Computer-Assisted Translation

*Translation unit* - data structure, containing two (or more) text segments of different language along with additional properties. Sometimes used interchangeably with segment

*Segment* - single-language text string, part of translation unit

*API* - Access Point Interface

*UI* - User Interface

## 2. ADMIN UI OVERVIEW

A Translation Memory (TM) is a collection of segments helping to improve quality of translation process in CAT tools (such as Trados Studio) by reusing translation of phrases, sentences or even paragraphs (commonly known as segments) from previously known translations. Usually, automatic machine translation tools use translation memory in-memory (loaded from standard TMX format) or by using web service. The number of segments can be huge if all possible European language combination pairs are taken into account. Current non-commercial solutions appear to be either non-scalable (such as dealing with TMX files) or in early stages of development, such as TinyTM database. This document describes the admin UI of NECTM, a fast and scalable cloud-based TM database with a goal to overcome the limitations of current solutions for TM storage & query.

There are two ways to access NECTM, using the Website UI and using the API REST.

**Website UI** is the web service that facilitates the interaction with NECTM content (adding, deleting, updating, cleaning translation units etc.), managing users and managing background jobs through a web browser.

**REST API** (*based on Flask<sup>1</sup>*) is a programming interface for interacting with NECTM content

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<sup>1</sup> "Flask." <http://flask.pocoo.org/>. Accessed 23 April 2019.

(adding, deleting, updating, cleaning translation units etc.), managing users and managing background jobs. The user is authorized by accessing authorization endpoint (with username and password). Access to other endpoints is granted based on JWT token return by authorization endpoint and depending on user role (admin or user).

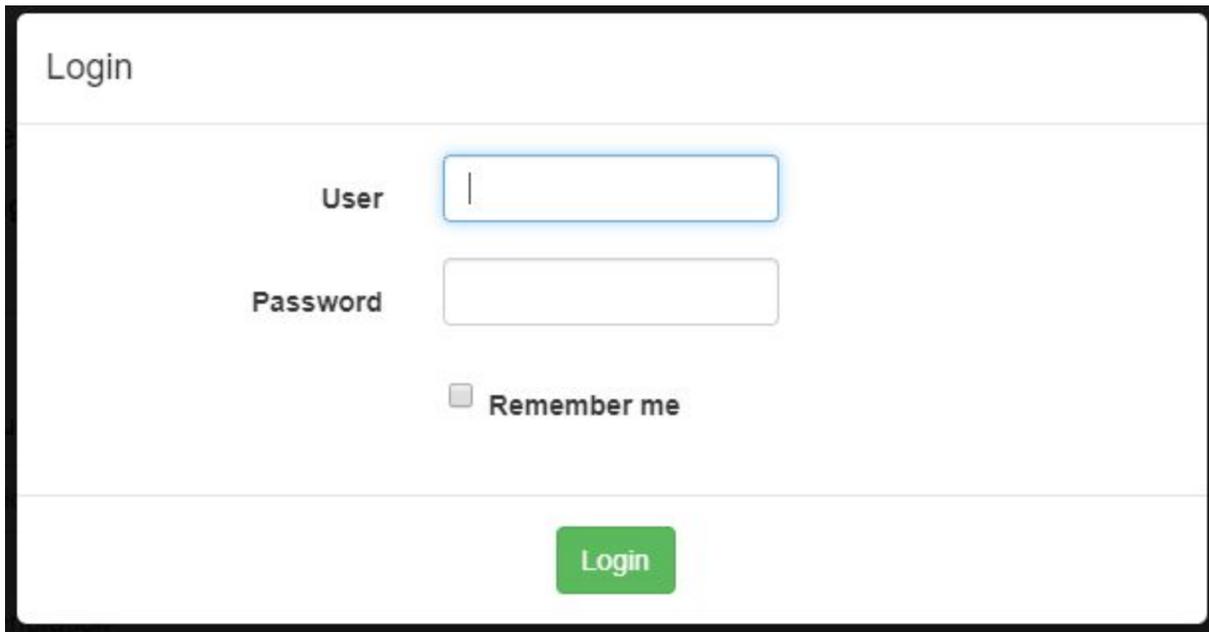
## 2.1 Website UI

This section describes the main Website UI functions for the services in NECTM:

### 2.1.0 Login

The default URL access is `http://ip-installation:27979/admin/` (27979 is the default port used in the installation).

After accessing Website admin UI a login will be shown:



A valid User/Password shall be provided. If the “Remember me” option is checked a “login cookie” is issued in addition to the standard session management cookie.

### 2.1.1 Fuzzy Match Services

Services related to query for translation units stored in NECTM.

#### 2.1.1.1 Search translation memory segments

Permission: user

Go to the menu “Translation Memory” and the tab “Query”.

The screenshot shows the NECTM Translation Memory interface. On the left is a sidebar with 'Translation Memory', 'Users', and 'Jobs' options. The main area is titled 'Translation Memory' and contains a 'Query' tab. Below the tab are buttons for 'Import', 'Export', 'Generate', 'Delete', 'Maintain', 'Tags', and 'Stats'. A 'Query TM' section includes a text input field for 'TM to translate', dropdown menus for 'Source language' (FR) and 'Target language' (EN), and buttons for 'Options', 'Filter by...', and 'Query'. Below this is a 'Results' section with a table header: Match, Source, Target, Tags, Username, File names, Update date.

Type the text to query in the text field, select the pair of languages and click on the button “Query”.

This screenshot shows the 'Query TM' section with 'bank' entered in the text field. The source language is set to FR and the target language to EN. Below the search options, there are settings for 'Minimal match' (empty field), 'Use machine translation' (checkbox), and 'Concordance' (checked checkbox). The 'Results' table is displayed below:

Match	Source	Target	Tags	Username	File names	Update date
10	The European Central Bank	The European Central Bank	ECB	admin	[ECB_en-fr.tmx]	12/04/2019 12:04:13
10	Avis sur la modification du statut du Bank Ċentrali ta' Malta / Central Bank of Malta en vue de l'adoption de l'euro (	Opinion on amendments to the Central Bank of Malta 's statutes in preparation for the adoption of the euro ( CON /	ECB	admin	[ECB_en-fr.tmx]	12/04/2019 12:04:15

The language pairs that appear are the ones used by the TMXs already uploaded, so we'll get a new specific language pair uploading a TMX that contain the specific language pair.

You'll get results depending on the options and filters selected. Please refer to the parameters on section [2.2.1](#) for more information about the options/filters that can be selected.

The main filter is the usage of the filter "TAG" (refer to section [2.1.3](#)), filter used during the import (refer to section [2.1.4](#)) to classify the translation units. Admin has access to all tags, but the users only **have** access to the tags they have defined in the scopes.

## Translation Memory

Query
Import
Export
Generate
Delete
Maintain
Tags
Stats

Query TM

bank

**Source language**

FR

**Target language**

EN

Options

Filter by...

Query

**TAG** None selected ▾

Results

It will show a "Forbidden error" if we try a tag combination that isn't allowed in the scopes of the user (refer to section [2.1.2.3](#)).

### 2.1.2 User Management Services

Services related to the management of the NECTM users. There are two type of users:

- Admin: has unrestricted access to all services
- User: only has access to query public content and to the private content the admin has explicitly granted **them** access to.

Admins use the "Scopes" service to manage User's access (refer to section [2.1.2.3](#)).

### 2.1.2.1 Create user

Permission: admin

Go to the menu “Users” and the tab “Users”.

The screenshot shows the 'Users' management page in the ActiveTM application. The page has a dark blue header with the 'ActiveTM' logo and a 'LOGOUT' button. A sidebar on the left contains navigation links for 'Translation Memory', 'Users', and 'Jobs'. The main content area is titled 'Users' and features a table with the following data:

Users	Usage					
USERNAME	ROLE	IS_ACTIVE	SCOPES	CREATED	PASSWORD	
<input checked="" type="checkbox"/>	admin	admin	true	+	16/04/2019 14:14:11	****

Below the table, it indicates 'Showing 1 to 1 of 1 rows' and provides 'Save' and 'New' buttons.

Click on “New” button and specify the user details:

- User: username used for identification and login
- Role: user or admin
- Password: password used for the login to the website UI and authorization in API REST
- Token expires: token generated during the authentication in the REST API (refer to section [2.2.2.6](#)), recommended the use of default option (True) for security reasons, only select False if the user will access through the REST API and it is required that the token does not change
- Is Active: enable/disable the login/authentication of the user

### Edit User ✕

**User**

**Role**

**Password**

**Token expires**  True

**Is Active**  True

### 2.1.2.2 Add/update user details

Permission: admin

Go to the menu “Users” and the tab “Users”.

Activa™
LOGOUT

- Translation Memory
- Users**
- Jobs

### Users ↻

	USERNAME	ROLE	IS_ACTIVE	SCOPES	CREATED	PASSWORD
	admin	admin	true	+	16/04/2019 14:14:11	****

Showing 1 to 1 of 1 rows

Click on “” button on one of the users and modify the user details:

- User: username used for identification and login
- Role: user or admin
- Password: password used for the login to the website UI and authorization in API REST

- Token expires: token generated during the authentication in the REST API (refer to section [2.2.2.6](#)), the use of default option (True) is recommended for security reasons, only select False if the user will be used through the REST API and it is required that the token does not change
- Is Active: enable/disable the login/authentication of the user
- Scopes: direct access to add new scope (refer to section [2.1.2.3](#)) to user

**Edit User** [Close]

User: admin

Role: admin

Password: [Empty]

Token expires:  True

Is Active:  True

Scopes: +

[Save] [Cancel]

### 2.1.2.2 Delete user

Permission: admin

Go to the menu “Users” and the tab “Users”.

Click on “” button on one of the users and confirm the deletion of the user:

### 2.1.2.3 Add/update user scope

Permission: admin

Go to the menu “Users” and the tab “Users”.

Click on “” button on one of the users to create a new scope or in any existing scope (represented by a number), and click on “Save” button after selecting the restrictions needed for the user:

### Edit User Scope ✕

User	<input type="text" value="Test1"/>
Scope Id	<input type="text" value="auto"/>
Language Pairs	<input type="text" value="en_es,fr_de"/>
Tags	<input type="text" value="None selected ▼"/>
Usage Limit	<input type="text" value="0"/>
Usage Count	<input type="text" value=""/>
Start Date	<input type="text" value="mm/dd/yyyy"/>
End Date	<input type="text" value="mm/dd/yyyy"/>
Can Update	<input type="checkbox"/>
Can Import	<input type="checkbox"/>
Can Export	<input type="checkbox"/>

For more information about the different options, refer to the parameters on section [2.2.2.4](#).

#### 2.1.2.4 Delete user scope

Permission: admin

Go to the menu “Users” and the tab “Users”.



Edit User Scope
✕

User	<input type="text" value="Test1"/>
Scope Id	<input type="text" value="auto"/>
Language Pairs	<input type="text" value="en_es,fr_de"/>
Tags	<input type="text" value="None selected ▼"/>
Usage Limit	<input type="text" value="0"/>
Usage Count	<input type="text" value=""/>
Start Date	<input type="text" value="mm/dd/yyyy"/>
End Date	<input type="text" value="mm/dd/yyyy"/>
Can Update	<input type="checkbox"/>
Can Import	<input type="checkbox"/>
Can Export	<input type="checkbox"/>

Save
Delete
Cancel

### 2.1.2.5 Usage/statistics of the users

Permission: admin

Go to the menu “Users” and the tab “Usage”.

USERNAME	TOTAL	04/19	03/19	02/19
admin	70	70	-	-
Test1	21	21	-	-

Here the admin can see the amount of queries carried out by the users and how much were MT results.

### 2.1.3 Tag Management Services

The tags are classifications of the content that can be used during its import (refer to section 2.1.4). There are “public”, “private” and “unspecified” tags.

Content that has been characterized with “private” tags can only be accessed by users with these tags specified in one “scope” of the user. Content that is flagged with “public” tags can be accessed by all users. The tags for “unspecified” type (example: legal, automotion, health...) can be selected by all **Users**, but the content will only be seen if it has a “public” type domain or “private” type domain, if the **User** has access in the **Scopes**.

#### 2.1.3.1 Add/update tag

Permission: admin

Go to the menu “Translation Memory” and the tab “Tags”.

**Translation Memory**

Query Import Export Generate Delete Maintain **Tags** Stats

Tags

ID	NAME	TYPE
tag59	ECB	public

Showing 1 to 1 of 1 rows

[New](#)

Click on “New” button to create a new tag or on an existing tag, click on “Save” button after editing it:

**Edit Tag**

Id

Name

Type

[Save](#) [Delete](#) [Cancel](#)

Please refer to the parameters on section [2.2.3.1](#) for more information about the options to select.

### 2.1.3.2 Delete tag

Permission: admin

Go to the menu “Translation Memory” and the tab “Tags”.

Translation Memory

Query Import Export Generate Delete Maintain Tags Stats

Tags

ID	NAME	TYPE
tag59	ECB	public

Showing 1 to 1 of 1 rows

New

Click on an existing tag, click on “Delete” button:

Edit Tag

Id tag59

Name ECB

Type public

Save Delete Cancel

### 2.1.4 Import Services

Services related to the import of content in NECTM. There is only one way through the website: TMX.

It's possible to specify tags for categorization of the content (refer to section [2.1.3](#)).

We can import a single translation memory unit through the REST API (refer to section [2.2.4.2](#)).

### 2.1.4.1 Import translation memory segments from TMX file

Permission: admin, users authorized

Go to the menu “Translation Memory” and the tab “Import”.

Select a TMX 1.4b file format (or you can upload several if they are compressed in a zip file) to upload, select the “tags” to classify the content and click on the button “Import”.

Content that has been characterized with “private” tags can only be accessed by users with these tags specified in one “scope” of the user. Content that is flagged with “public” tags can be accessed by all users. The tags for “unspecified” type (example: legal, automotion, health...) can be selected by all Users, but the content will only be seen if it has a “public” type domain or “private” type domain if the User has access in the Scopes (refer to section [2.1.2.3](#)).

It will show a “Forbidden error” if we try a tag combination that isn’t allowed in the scopes of the user (refer to section [2.1.2.3](#)).

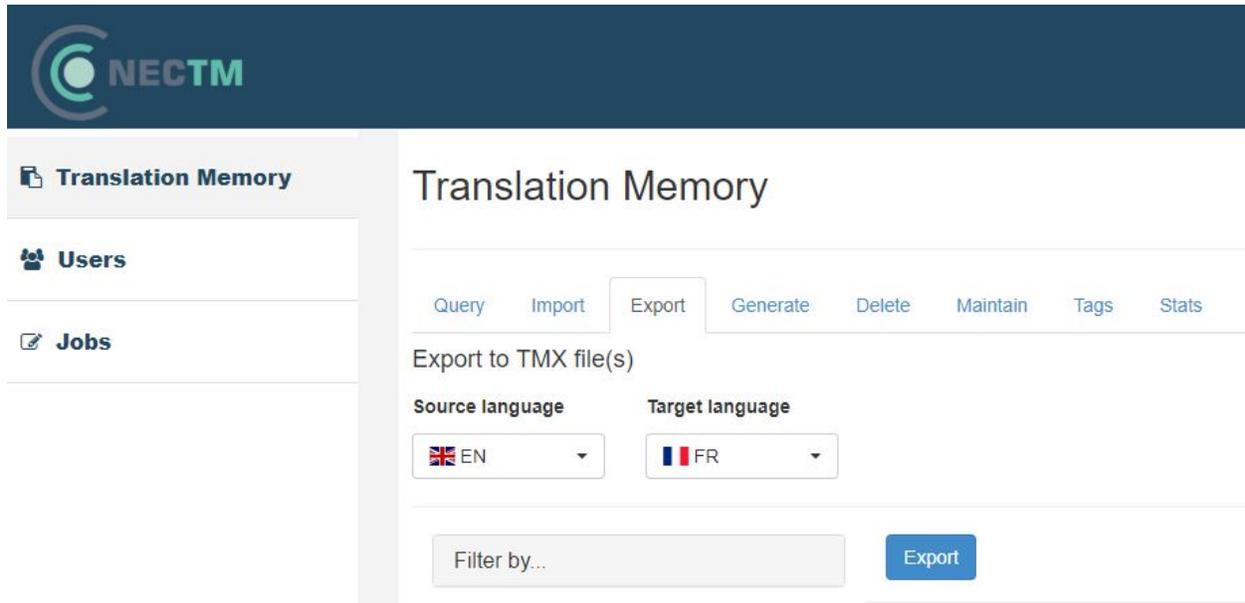
### 2.1.5 Export Services

Services related to the export of content in NECTM to a TMX file.

### 2.1.5.1 Export translation memory segments to zipped TMX file(s)

Permission: admin, users authorized

Go to the menu “Translation Memory” and the tab “Export”.



Select the desired filters and click on Export button. Please refer to the parameters on section [2.2.5.1](#) for more information about the filters to select.

The export will run on background and will generate a single zip file that will be downloadable later. The export process can take minutes or hours depending on the amount of data to be exported and the hardware of the server. The export processes can be seen and cancelled in the Jobs menu (refer to section [2.1.7](#)).

It will show a “Forbidden error” if we try a tag combination that isn’t allowed in the scopes of the user (refer to section [2.1.2.3](#)).

### 2.2.5.2 Download exported file or list all available downloads

Permission: admin, users authorized

Go to the menu “Translation Memory” and the tab “Export”.

The screenshot shows the NECTM Translation Memory interface. On the left is a sidebar with navigation options: Translation Memory, Users, and Jobs. The main area is titled "Translation Memory" and has several tabs: Query, Import, Export (selected), Generate, Delete, Maintain, Tags, and Stats. Below the tabs, there is a section for "Export to TMX file(s)" with dropdown menus for "Source language" (EN) and "Target language" (FR). At the bottom of this section is a "Filter by..." input field and an "Export" button.

In the section “Manage Exports”, all the exports that have finished will be shown with a link to download.

This screenshot shows the "Manage Exports" section of the NECTM Translation Memory interface. It features the same navigation tabs as the previous screenshot, with "Export" selected. Below the tabs, there are language selection dropdowns for "Source language" (EN) and "Target language" (FR), and a "Filter by..." input field with an "Export" button. The main content is a table with the following data:

ID	FILENAME	SIZE	EXPORT_TIME
<a href="#">9d103adb-52d1-4b02-9184-af5a070810ad</a>	<a href="#">EN_FR.zip</a>	0.1 M	24/04/2019 11:23:32

Showing 1 to 1 of 1 rows

It is recommended to remove the download once it has been downloaded.

## 2.1.6 Stats Services

Permission: user

Go to the menu “Translation Memory” and the tab “Stats”.

Translation Memory

Query Import Export Generate Delete Maintain Tags Stats

Stats

Languages Tags File Names

Source	Target	# TUs	Tags
FR	EN	1273	ECB 1273
EN	FR	1273	ECB 1273

Showing 1 to 2 of 2 rows

It shows different statistics related to the data:

- “Languages”: amount of TUs per language pair
- “Tags”: amount of TUs per tag
- “File Names”: amount of TUs per filename used during the import of a TMX file

## 2.1.7 Jobs Services

Permission: admin

Go to the menu “Jobs”.

Translation Memory

Users

Jobs

Jobs

LOGOUT

	TYPE	ID	STATUS	USERNAME	SUBMIT_TIME	END_TIME	PARAMS
✓	export	9d103adb-52d1-4b02-9184-af5a070810ad	succeeded	admin	24/04/2019 13:23:28	24/04/2019 13:23:32	?
✓	import	606f22e3-7466-4dd4-b66c-1d6484ed62bc	succeeded	admin	12/04/2019 12:04:07	12/04/2019 12:04:16	?

Showing 1 to 2 of 2 rows

All the background processes (import, export, delete, generate) are shown here. While they are running all the processes can be killed pressing the “” button. The parameters used for the process can be consulted pressing the “” button.

### 2.1.8 Generate Services

Unsupported function.

### 2.1.9 Maintain Services

Unsupported function.

## 2.2 REST API

This section describes the main REST API functions for the services in NECTM:

### 2.2.1 Fuzzy Match Services

Services related to query for translation units stored in NECTM.

#### 2.2.1.1 Search translation memory segments

GET -> <https://localhost/api/v1/tm>

Permission: user

Field	Type	Description
token	String	Token returned by auth endpoint.

#### Parameter

Field	Type	Description
-------	------	-------------

q	String	String to query
slang	String	Source language
tlang	String	Target language
smeta <b>optional</b>	String	Source metadata (stringified valid JSON). For example:  <i>JSON.stringify({"x-context-post": "pretag", "x-context-pre": "posttag"})</i>
tmeta <b>optional</b>	String	Target metadata (stringified valid JSON)
out <b>optional</b>	String	Output format. Default value: json Allowed values: 'json', 'moses'
limit <b>optional</b>	Number	Limit output to this number of segments
min_match <b>optional</b>	Number	Return only match above or equal to given threshold (0-100)  Default value: 75
strip_tags <b>optional</b>	Boolean	Strip all XML tags from the query  Default value: false

concordance <b>optional</b>	Boolean	Concordance search mode  Default value: <b>false</b>
aut_trans <b>optional</b>	Boolean	Apply machine translation if match score is less than a threshold  Default value: <b>True</b>
tag <b>optional</b>	String	Filter segments by tag(s)
operation_match <b>optional</b>	String	Operation to match. If None only editdistance is calculated Default value: <b>regex,tags,posTag,split</b> Allowed values: <b>'regex,tags,posTag,split', 'None'</b>

### Success 200

Field	Type	Description
Translation	String/ Json	units matching the query

### Error 4xx

Name	Type	Description
401	String	Unauthorized

403	String	Insufficient permissions
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### 2.2.1.2 Batch search translation memory segments

GET -> [https://localhost/api/v1/tm/query\\_batch](https://localhost/api/v1/tm/query_batch)

Permission: user

Field	Type	Description
token	String	Token returned by auth endpoint.

#### Parameter

Field	Type	Description
q	String	String to query (multiple values allowed)
slang	String	Source language.
tlang	String	Target language.
smeta <b>optional</b>	String	Source metadata (stringified valid JSON). For example:  <i>JSON.stringify({"x-context-post": "pretag", "x-context-pre": "posttag"})</i>

tmeta <b>optional</b>	String	Target metadata (stringified valid JSON)
limit <b>optional</b>	Number	Limit output to this number of segments  Default value: 10
min_match <b>optional</b>	Number	Return only match above or equal to given threshold (0-100)  Default value: 75
strip_tags <b>optional</b>	Boolean	Strip all XML tags from the query  Default value: false
concordance <b>optional</b>	Boolean	Concordance search mode  Default value: false
aut_trans <b>optional</b>	Boolean	Apply machine translation if match score is less than a threshold Default value: True
tag <b>optional</b>	String	Filter segments by tag(s)
operation_match <b>optional</b>	String	Operation to match. If None only editdistance is calculated

		Default value: <code>regex,tags,posTag,split</code> Allowed values: <code>'regex,tags,posTag,split', 'None'</code>
<code>file_name</code> <b>optional</b>	String	Filter segments by filename(s).
<code>organization</code> <b>optional</b>	String	Filter segments by organization(s).
<code>industry</code> <b>optional</b>	String	Filter segments by industry(s).
<code>language</code> <b>optional</b>	String	Filter segments by language(s).
<code>type</code> <b>optional</b>	String	Filter segments by type(s).
<code>username</code> <b>optional</b>	String	Filter segments by creator's username.
<code>tm_change_date</code> <b>optional</b>	Date	Filter segments by TM change date (.from and .to limits).
<code>tm_creation_date</code> <b>optional</b>	Date	Filter segments by TM creation date (.from and .to limits).
<code>insert_date</code> <b>optional</b>	Date	Filter segments by date of insertion into DB (.from and .to limits).
<code>update_date</code> <b>optional</b>	Date	Filter segments by date of update in DB (.from and .to limits).

check_date <b>optional</b>	Date	Filter segments by script check (.from and .to limits).
dirty_score <b>optional</b>	Integer	Filter segments by clean score (.from and .to limits).

### Filter Example

```
{
  "tm_change_date.from": "20160414",
  "tm_change_date.to": "20160822",
  "check_date.to": "20160530"
}
```

### Success 200

Field	Type	Description
Translation	String/Json	units matching the query

### Error 4xx

Name	Type	Description
401	String	Unauthorized
403	String	Insufficient permissions

## 2.2.2 User Management Services

Services related to the management of the users of NECTM. There are two type of users:

- Admin: has unrestricted access to all services
- User: has only access to query public content unless admin allows the user the access to specific private content.

The access to specific private content will be through the usage of the “Scopes” services (refer to section [2.1.2.3](#)).

### 2.2.2.1 Add/update user details

POST -> `https://localhost/api/v1/users/<username>`

Permission: admin

Field	Type	Description
token	String	Token returned by auth endpoint.

#### Parameter

Field	Type	Description
username	String	Name of User
password	String	User password
role	String	User role: admin or user

#### Error 4xx

Name	Type	Description
403	String	Insufficient permissions

### 2.2.2.2 Delete user

**DELETE** -> `https://localhost/api/v1/users/<username>`

Permission: admin

Field	Type	Description
token	String	Token returned by auth endpoint.

#### Parameter

Field	Type	Description
username	String	

#### Error 4xx

Name	Type	Description
403	String	Insufficient permissions
404	String	User doesn't exist

### 2.2.2.3 Get user details

**GET** -> `https://localhost/api/v1/users/<username>`

Permission: admin

Field	Type	Description
token	String	Token returned by auth endpoint.

### Parameter

Field	Type	Description
username <b>optional</b>	String	Name of User, if not user specified, all users' details are returned

### Error 4xx

Name	Type	Description
404	String	User doesn't exist

### Success 200

Field	Type	Description
User details	String/ Json	users matching the query

#### 2.2.2.4 Add/update user scope

POST -> `https://localhost/api/v1/users/<username>/scopes`

Permission: admin

Field	Type	Description
token	String	Token returned by auth endpoint.

### Parameter

Field	Type	Description
username	String	
lang_pairs <b>optional</b>	String	List (separated by a comma) of allowed language pairs to query, ex.: en_es,es_en,es_fr. By default, it allows all pairs
tags <b>optional</b>	String	List (separated by a comma) of allowed tags to query, ex.: Health,Insurance. By default, only public tags
can_update <b>optional</b>	Boolean	Allow/forbid update TM (add a translation unit) in the given scope. Default is false.
can_import <b>optional</b>	Boolean	Allow/forbid import TM in the given scope. Default is false.
can_export <b>optional</b>	Boolean	Allow/forbid import TM in the given scope. Default is false.
usage_limit <b>optional</b>	Integer	Limit allowed usage (queries number). Default: no limit

start_date <b>optional</b>	Date	Scope starts at that date. Default - not limited
end_date <b>optional</b>	Date	Scope ends at that date. Default - not limited

### Error 4xx

Name	Type	Description
403	String	Insufficient permissions
404	String	User doesn't exist
401	String	Unauthorized

### 2.2.2.5 Delete user scope

DELETE -> <https://localhost/api/v1/users/<username>/scope>

Permission: admin

Field	Type	Description
token	String	Token returned by auth endpoint.

### Parameter

Field	Type	Description
-------	------	-------------

username	String	
id	Integer	Scope id

### Error 4xx

Name	Type	Description
403	String	Insufficient permissions
404	String	User doesn't exist

### 2.2.2.6 Authorization

POST -> <https://localhost/api/v1/auth>

#### Parameter

Field	Type	Description
username	String	Name of User
password	String	Password for account

### Error 4xx

Name	Type	Description
401	String	Invalid credentials

## Success 200

Field	Type	Description
access_token	String	Authorization token for use it other endpoints

### 2.2.3 Tag Management Services

The tags are classifications of the content that can be used during the import of content (refer to section 2.1.4). There are “public”, “private” and “unspecified” tags.

Content that has been characterized with “private” tags can only be accessed by users with these tags specified in one “scope” of the user. Content that is flagged with “public” tags can be accessed by all users. The tags for “unspecified” type (example: legal, automotion, health...) can be selected by all **Users**, but the content will only be seen if it has a “public” type domain or “private” type domain if the **User** has access in the **Scopes**.

#### 2.2.3.1 Add/update tag

POST -> <https://localhost/api/v1/tags/<id>>

Permission: admin

Field	Type	Description
token	String	Token returned by auth endpoint.

#### Parameter

Field	Type	Description
id	String	ID of Tag, it can't be edited later

name	String	Name of Tag, shown for example in the queries and Scope permissions
type	String	Tag type: private, public or unspecified

### Error 4xx

Name	Type	Description
403	String	Insufficient permissions

### 2.2.3.2 Delete tag

**DELETE** -> `https://localhost/api/v1/users/<id>`

Permission: admin

Field	Type	Description
token	String	Token returned by auth endpoint.

### Parameter

Field	Type	Description
tag	String	

### Error 4xx

Name	Type	Description
403	String	Insufficient permissions
404	String	Tag doesn't exist
401	String	Unauthorized

### 2.2.3.3 Get tag details

GET -> <https://localhost/api/v1/tags/<id>>

Permission: user

Field	Type	Description
token	String	Token returned by auth endpoint.

### Parameter

Field	Type	Description
tag <b>optional</b>	String	Name of Tag, if not Tag specified, all tag's details are returned. Admin will see all tags, and Users will only see allowed tags in the scopes.

### Error 4xx

Name	Type	Description
------	------	-------------

404	String	Tag doesn't exist
403	String	Insufficient permissions
401	String	Unauthorized

## 2.2.4 Import Services

Services related to the import of content in NECTM. The data to be imported can be either:

- TMX files or
- Single translation memory unit

It's possible to specify tags for categorization of the content (refer to section [2.1.3](#)).

### 2.2.4.1 Import translation memory segments from TMX file

PUT -> `https://localhost/api/v1/tm/import`

Permission: admin, users authorized

Field	Type	Description
token	String	Token returned by auth endpoint.

#### Parameter

Field	Type	Description
file	File	Zipped TMX file to import.
tag	String	Tag name of the imported file.

lang_pair <b>optional</b>	String	Language pair to import (for multilingual TMX files). 2-letter language codes join by underscore. By default, import first pair in each segment
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#### Error 4xx

Name	Type	Description
401	String	Unauthorized
403	String	Insufficient permissions

#### 2.2.4.2 Add new translation memory unit

POST -> <https://localhost/api/v1/tm>

Permission: users authorized

Field	Type	Description
token	String	Token returned by auth endpoint.

#### Parameter

Field	Type	Description
stext	String	Source segment text.
ttext	String	Target segment text..

slang	String	Source language.
tlang	String	Target language.
tag	String	Translation unit tag.
smeta <b>optional</b>	String	Source metadata (stringified valid JSON). Example:  <i>JSON.stringify({"x-context-post": "pretag", "x-context-pre": "posttag"})</i>
tmeta <b>optional</b>	String	Target metadata (stringified valid JSON)
file_name <b>optional</b>	String	File name (or source name)

### Error 4xx

Name	Type	Description
401	String	Unauthorized
403	String	Insufficient permissions

## 2.2.5 Export Services

### 2.2.5.1 Export translation memory segments to zipped TMX file(s)

<https://localhost/api/v1/tm/export>

Permission: admin, users authorized

Field	Type	Description
token	String	Token returned by auth endpoint.

### Parameter

Field	Type	Description
slang	String	Source language.
tlang	String	Target language.
squery <b>optional</b>	String	Filter source segments by this query. Supports regular expressions.
tquery <b>optional</b>	String	Filter target segments by this query. Supports regular expressions.
limit <b>optional</b>	Number	Limit number of exported segments.
duplicates_only <b>optional</b>	Boolean	Return duplicate segments only (duplicates = having the same source text)
file_name <b>optional</b>	String	Filter segments by filename(s).
organization <b>optional</b>	String	Filter segments by organization(s).

tag <b>optional</b>	String	Filter segments by tag(s).
industry <b>optional</b>	String	Filter segments by industry(s).
language <b>optional</b>	String	Filter segments by language(s).
type <b>optional</b>	String	Filter segments by type(s).
username <b>optional</b>	String	Filter segments by creator's username.
tm_change_date <b>optional</b>	Date	Filter segments by TM change date (.from and .to limits).
tm_creation_date <b>optional</b>	Date	Filter segments by TM creation date (.from and .to limits).
insert_date <b>optional</b>	Date	Filter segments by date of insertion into DB (.from and .to limits).
update_date <b>optional</b>	Date	Filter segments by date of update in DB (.from and .to limits).
check_date <b>optional</b>	Date	Filter segments by script check (.from and .to limits).
dirty_score <b>optional</b>	Integer	Filter segments by clean score (.from and .to limits).

### Success 200

Field	Type	Description
task_id	String	ID of export task invoked in the background

### Error 4xx

Name	Type	Description
401	String	Unauthorized
403	String	Insufficient permissions

### 2.2.5.2 Download exported file or list all available downloads

[https://localhost/api/v1/tm/export/file/<export\\_id>](https://localhost/api/v1/tm/export/file/<export_id>)

Permission: admin, users authorized

Field	Type	Description
token	String	Token returned by auth endpoint.

### Success 200

Field	Type	Description
-------	------	-------------

binary	File	Content of zipped TMX file(s) (if export_id is supplied)
files	Json	List of all available exports (if export_id is not supplied)

#### Error 4xx

Name	Type	Description
401	String	Unauthorized
403	String	Insufficient permissions

## 3. INTEGRATION WITH CAT TOOLS

- Trados Studio 2014 & 1017 plugins are available from Pangeanic (request the plugin ZIP packages from [info@pangeamt.com](mailto:info@pangeamt.com))
- Translate5 plugin for NEC is available as a built-in feature since version V3.4.0

Both plugins offer full functionality with NEC TM

1. Authentication using user and password
2. Retrieve list of granted TAGs for user
3. Query segment translation
4. Add new translation unit
5. File analysis