

# LanguageResources: Instance



If the API changes in an incompatible manner this is listed explicitly in the "important release notes" section of each [releases changelog](#).

## Description

Enables the usage of third party TM and MT systems in translate5. To support a MT / TM ti must be implement as a service in translate5. This is quite easy and usually a matter of days. [Please contact us, if you need help on this.](#)

Moses MT, OpenTM2, Google, Lucy, MS Translator, SdlLanguageCloud, NEC-TM (as Plugin), PangeaMT (as Plugin), and DeepL (as Plugin, only available for companies with a Support- and Development contract) are supported so far. For SDL GroupShare support please ask MittagQI.

TM/MT systems (or in general language resource) can be associated to tasks. In such tasks the user gets automatically found matches to the segments he is editing.

Also a concordance search is provided.

Provides access to the data of the configured language resources (TM,MT and termcollections).

URL:	/editor/languageresourceinstance/[ID]
Available Methods:	GET / POST / PUT / DELETE
Specialities:	Non filebased language resource can only be added by the "admin" role. Users with the role "pm" can add filebased entries.

## Special URLs

URL	Methods	Parameters	Description
/editor/languageresourceinstance/[ID]/query	GET	segmentId: integer; the id of the segment to be queried	returns a list with query results, format see below
/editor/languageresourceinstance/[ID]/search	GET / POST	query: string; the string to be searched in the underlying service field: string; source or target, determines which field should be searched in a TM limit: integer; how many results should be returned	returns a list with search results, format see below
/editor/languageresourceinstance/[ID]/download	GET	-	Returns the uploaded TM file - if any.
/editor/languageresourceinstance/[ID]/import	POST	tmUpload: TM file uploaded as multipart/form-data	Imports the given TM file into the chosen Language Resource instance
/editor/languageresourceinstance/[ID]/tasks	GET / POST	GET: id: ID of the task language resource association taskGuid: TaskGuid of the associated task taskName: name of the associated task state: status of the associated task lockingUser: user who is locking of the associated task - if any taskNr: task nr of the associated task languageResourceId: associated TM ID  POST: toReImport: an array of taskGuids. The chosen tasks segment data is reimported into the selected TM.	Gives some status information about the tasks associated to a specific Language Resource.  Triggers a reimport of the chosen tasks into the TM.

## Search / Query result format

Name	Type	Info
attributes	string	Additional meta data of the returned match/search result, empty if not available.
created	date	Meta data, creation time stamp of the returned match/search result
creator	string	Meta data, creator of the returned match/search result
lastEdited	date	Meta data, last edited time stamp of the returned match/search result

lastEditor	string	Meta data, last editor of the returned match/search result
matchrate	integer	matchrate of a found match, 0 for search results.
source	string	The found source text.
state	string	"loaded" wenn all is OK, "servererror" when we got an error in the queried service.
target	string	The found target text.
languageResourceId	string	The queried Language Resource, just for reference.

## Language-Resource Instance Resource Layout

Name	Type	Info
id	integer	GET only
entityVersion	integer	GET only, set by server
langResUuid	string	GET only, is ignored on PUT/POST, is an auto generated UUID set on language resource creation. Contains a unique identified for the language resource.
name	string	Custom name of the match resource.
sourceLang	integer	GET / POST, non editable after creation; numeric DB id of the language
targetLang	integer	GET / POST, non editable after creation; numeric DB id of the language
color	string	Custom color of the match resource in hexadecimal form, used in the GUI.
resourceId	string	POST / GET, non editable after creation
serviceType	string	POST / GET, only, set by setting a resourceId
serviceName	string	GET only, set by setting a resourceId
fileName	string	POST / GET, can not be changed
filebased	boolean	GET only, set by setting a resourceId
searchable	boolean	GET only, set by setting a resourceId
customerIds	array of integers	POST, PUT: contains an array with customerIds to be assigned to that language resource
customerUseAsDefaultIds	array of integers	POST, PUT: contains a subset of customerIds of the above customerIds. The here referenced customers use this language resource by default to read from.
customerWriteAsDefaultIds	array of integers	POST, PUT: contains a subset of customer ids of the above customerUseAsDefaultIds. The here referenced customers use this language resource by default to write into it. To be able to write by default the customer must be also set as read as default.

## Configuration of the Language Resources

Config name	Values	Default	Description
runtimeOptions.LanguageResources.fileExtension	map		Available file types by extension per engine type. The engine type is defined by source rcf5646,target rcf5646. ex: "en-ge,en-us"
runtimeOptions.LanguageResources.preloadedTranslationSegments	integer	3	Number of segments for which matches are preloaded (cached) in the front-end.
runtimeOptions.LanguageResources.moses.server	json array	[ ]	Moses MT related: List of available Moses Server, example: [" <a href="http://www.translate5.net:8124/RPC2">http://www.translate5.net:8124/RPC2</a> "]
runtimeOptions.LanguageResources.moses.matchrate	integer, 0 - 100	70	Moses MT related: Moses MT penalty value, used as default matchrate since in MT no matchrate is available.