

# Documentation for TSD API

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## Definition

A category is a semantic type.

## Create a category

### Login in TDS

Login is needed in order to get a bearer for future requests

<b>URL</b>	{{URL_TDS}}/data-stewardship/login
<b>Method</b>	POST
<b>Headers</b>	Content-Type : application/json
<b>Authorization (Basic Auth)</b>	Username : {{Login}}, Password : {{Pwd}}

<b>Curl example</b>	curl --request POST '{{TDS_URL}}/login' --header 'Content-Type: application/json' --header 'Authorization: Basic {{BasicAthB64}}'
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<b>Header</b>	Authorization {{Bearer}}
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## Create a Sandbox

The sandbox is a category not saved as draft or published

<b>URL</b>	{{URL_TDS}}/semanticservice/categories/sandbox
<b>Method</b>	POST
<b>Headers</b>	Content-Type : application/json, Authorization : {{Bearer}}

<b>Curl example</b>	curl --request POST '{{TDS_URL}}/semanticservice/categories/sandbox' --header 'Content-Type: application/json' --header 'Authorization: {{Bearer}}'
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<b>Response Body</b>	{"id": "{{categoryId}}"} }
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## Edit Sandbox Type

The sandbox can have 3 types : a dictionary, a regex or a compound

<b>URL</b>	{{URL_TDS}}/semanticservice/categories/{{categoryId}}
<b>Method</b>	PATCH
<b>Headers</b>	Content-Type : application/json, Authorization : {{Bearer}}

<b>Body example for a DICT category</b>	{"name":"DICT_NAME","label":"Dict label","type":"DICT","validationMode":"EXACT_IGNORE_CASE_AND_ACCENT"}
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<b>Body example for a REGEX category</b>	{"name":"REGEX_NAME","label":"Regex label","type":"REGEX","validationMode":"SIMPLIFIED","regEx":{"mainCategory":"Numeric","validator":{"patternString":"^(?!01000 99999)(0[1-9]\\d{3} [1-9]\\d{4})\$"},"filter":{"filterParam":"@", "filterType":"MUST_CONTAIN"}}}
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<b>Body example for a COMPOUND category</b>	{"name":"COMPOUND_NAME","label":"Compound label","type":"COMPOUND","children":["{{otherCategoryId}}"]}
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<b>Curl example</b>	curl --request PATCH '{{TDS_URL}}/semanticservice/categories/{{categoryId}}' --header 'Content-Type: application/json' --header 'Authorization: {{Bearer}}' --data -raw '{{JSON_FORMAT}}'
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## Save the sandbox to draft (async)

The sandbox has to be saved as a draft (async) before being published.

<b>URL</b>	{{URL_TDS}}/semanticservice/v2/categories/{{categoryId}}/draft
<b>Method</b>	PATCH
<b>Headers</b>	Content-Type : application/json, Authorization : {{Bearer}}

<b>Curl example</b>	curl --request PATCH '{{TDS_URL}}/semanticservice/categories/{{categoryId}}/draft' --header 'Content-Type: application/json' --header 'Authorization: {{Bearer}}'
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## Check the sandbox to draft status

Because the 'sandbox to draft' task is async, the status can be checked.

<b>URL</b>	{{URL_TDS}}/semanticservice/v2/categories/{{categoryId}}/draft/status
<b>Method</b>	GET
<b>Headers</b>	Content-Type : application/json, Authorization : {{Bearer}}

<b>Curl example</b>	curl --request GET '{{TDS_URL}}/semanticservice/v2/categories/{{categoryId}}/draft/status' --header 'Content-Type: application/json' --header 'Authorization: {{Bearer}}'
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<b>Response Body</b>	{"id":"{{categoryId}}","errors":[],"status":"FINISH"}
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## Publish the draft

Publish the draft.

<b>URL</b>	{{URL_TDS}}/semanticservice/categories/{{categoryId}}/publish
<b>Method</b>	POST
<b>Headers</b>	Content-Type : application/json, Authorization : {{Bearer}}

<b>Curl example</b>	curl --request POST '{{TDS_URL}}/semanticservice/categories/{{categoryId}}/publish' --header 'Content-Type: application/json' --header 'Authorization: {{Bearer}}'
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## Modify a category

Modify a category by creating a sandbox from it.

**TIP** Don't forget to save it as draft and publish it if needed.

<b>URL</b>	{{URL_TDS}}/semanticservice/categories/{{categoryId}}/sandbox
<b>Method</b>	PUT
<b>Headers</b>	Content-Type : application/json, Authorization : {{Bearer}}

<b>Curl example</b>	curl --request PUT '{{TDS_URL}}/semanticsservice/categories/{{categoryID}}/sandbox' --header 'Content-Type: application/json' --header 'Authorization: {{Bearer}}'
<b>Header</b>	{"id":"{{categoryID}}","name":"DICT_NAME","label":"Dict label ","type":"DICT","creator":"{{userID}}","createdAt":{{Timestamp}},"modifiedAt":{{Ti mestamp}},"lastModifier":"{{userID}}","completeness":true,"publishedAt":{{Times tamp}},"lastPublisher":"{{userID}}","validationMode":"EXACT_IGNORE_CASE_AND _ACCENT","state":"SANDBOX"}

## Add documents in a DICT Category

Adding a list of documents to a DICT category

### TIP

Don't forget to create a sandbox before upload documents. Don't forget to save it as draft and publish it too if needed.

<b>URL</b>	{{URL_TDS}}/semanticsservice/documents
<b>Method</b>	POST
<b>Headers</b>	Content-Type : application/json, Authorization : {{Bearer}}
<b>Curl example</b>	curl --request POST '{{TDS_URL}}/semanticsservice/documents' --header 'Content- Type: application/json' --header 'Authorization: {{Bearer}}' --data-raw '{{JSON_FORMAT}}'

## Upload documents in a DICT Category

Upload a list of documents (\*.csv file) to a DICT category.

<b>URL</b>	{{URL_TDS}}/documents/upload?category={{categoryID}}
<b>Method</b>	POST
<b>Headers</b>	Content-Type : application/json, Authorization : {{Bearer}}
<b>Body (form- data)</b>	File: {{file.csv}}
<b>Curl example</b>	curl --location --request POST '{{TDS_URL}}/semanticsservice/documents/upload?category={{categoryID}}' --header 'Authorization: {{Bearer}}' --form 'file=@/path/to/file'