Link repository APIs

Single Digital Gateway

Contents

1. MS Export links RESTful Web Service

The RESTful service must be called using the HTTP POST method, and the request body must contain the translation request as JSON format. The authentication process of the request is handled in the header of the request based on the API key for each Member State provided in the SDG system.

1.1. Web service end points

Environment	URL
Acceptance	https://webgate.acceptance.ec.europa.eu/youreurope/sdg/public/dtx/getlinksdataset
Production	https://webgate.ec.europa.eu/youreurope/sdg/public/dtx/getlinksdataset

1.2. Request header parameters

Parameter	Type	Mandatory?	Details
x-api-key	string	Yes	The value of the parameter is shared on the API Key module of the SDG application for each member state.
x-api-user	string	Yes	This needs to be a valid user from the country with the x-api-key used.

1.3. Request body parameters

Parameter	Type	Mandatory?	Details
url	string	Yes	The "URL" will be used to match existing URLs in the repository, like '%url_string%'. If the field is empty the web service will return the whole dataset

1.3.1. Request body example

```
{
"url": "string"
}
```

1.4. Reply message body parameters

Parameter	Type	Details
url	string	The actual URL of the page or resource that the link is referring to.
createdBy	string	The user that originally created the item
owner	string	The user that owns that particular item
urlType	string	The type of the notified URL Possible values: - **Web page** - **Web folder**
type	string	The type of the link, which could be: - **Information** - **Procedure**
creationDate	date	The date when the item was created.
lastUpdateDate	date	The date when the item was last updated
country	string	The country to which the item belongs to.
title	string	The title of the link
description	string	The description that will be saved for that specific link
status	string	The current status of the link.
metadata	array	The list of metadata attached to the notified URL.
metadata[].url	string	the URL of the metadata entry
metadata[].languageCode	string	The code of the language in which the metadata entry is available
metadata[].classificationInformation[].category	string	The **lowest level categories** (the codes containing the letter of the category and the number of the area) described in the ANNEX 1 or ANNEX 2

Parameter	Type	Details
metadata[].nationalLocation	string	NUTS or LAU location ID for which the content on the **web page** is valid.
metadata[].type	string	The type of the metadata, which could be : • **Information** • **Procedure**
metadata[].title	string	The title of the metadata entry
metadata[].description	string	The description of the metadata entry
metadata[].notificationType	string	It specifies the way in which the item has been registered in the repository of links.
metadata[].owner	string	The user that originally created the metadata entry
metadata[].createdBy	string	The user that owns that particular metadata entry
metadata[].creationDate	date	The date when the item was created
metadata[].lastUpdateDate	date	The date when the item was last updated

1.4.1. Reply body example

```
{
    "data": [
        {
            "url": "https://www.agenciatributaria.gob.es/AEAT.sede/",
            "createdBy": "n005cu7z",
            "owner": "n005cu7z",
            "urlType": "Web folder",
            "type": "Procedure",
            "creationDate": "01/12/2020 10:26",
            "lastUpdateDate": "14/12/2020 08:39",
            "country": "Spain",
            "title": "Procedimientos de la Agencia Estatal de
Administración Tributaria",
            "description": "Procedimientos de la Agencia Estatal de
Administración Tributaria",
            "status": "PUBLISHED",
            "metadata": [
                {
                    "url":
"https://www.agenciatributaria.gob.es/AEAT.sede/en_gb/procedimientos/GZ17.s
html",
                    "languageCode": "en",
```

```
                    "classificationInformation": [
                        {
                            "category": "C4"
                        }
                    ],
                    "nationalLocation": [],
                    "type": "Procedure",
                    "title": "Form 05. Prior recognition of certain cases
of inapplicability, exemption or reduction of the car registration tax. -
Description - Electronic Office - Tax Agency",
                    "description": null,
                    "notificationType": "CRAWL",
                    "owner": null,
                    "createdBy": "root",
                    "creationDate": "02/09/2021 05:47",
                    "lastUpdateDate": "02/09/2021 05:47"
                },
                {
                    "url":
"https://www.agenciatributaria.gob.es/AEAT.sede/en_gb/procedimientos/IZ05.s
html",
                    "languageCode": "en",
                    "classificationInformation": [
                        {
                            "category": "B4"
                        }
                    ],
                    "nationalLocation": [],
                    "type": "Procedure",
                    "title": "Motion for reversal of Audit settlements. -
Description - Electronic Office - Tax Agency",
                    "description": null,
                    "notificationType": "CRAWL",
                    "owner": null,
                    "createdBy": "root",
                    "creationDate": "02/09/2021 05:47",
                    "lastUpdateDate": "02/09/2021 05:47"
                }
            ]
        },
        {
            "url":
"https://www.agenciatributaria.gob.es/AEAT.sede/ca_es/procedimientos/",
            "createdBy": "n005cu7z",
            "owner": "n005cu7z",
            "urlType": "Web folder",
            "type": "Procedure",
            "creationDate": "04/12/2020 11:09",
            "lastUpdateDate": "14/12/2020 08:41",
            "country": "Spain",
            "title": "Procediments de l'Agència Estatal d'Administració
Tributària",
            "description": "Procediments de l'Agència Estatal
d'Administració Tributària",
            "status": "PUBLISHED",
            "metadata": []
        }
    ]
}
```

1.5. Error messages

Error code	Error message	Details
400	Please provide a valid secure token	The x-api-key provided is not valid
400	must not be null	"url" not found in payload

2. MS Import links RESTful Web Service

The RESTful service must be called using the HTTP POST method, and the request body must contain the translation request as JSON format. The authentication process of the request is handled in the header of the request based on the API key for each Member State provided in the SDG system.

2.1. Web service end points

Environment	URL
Acceptance	https://webgate.acceptance.ec.europa.eu/youreurope/sdg/public/dtx/import
Production	https://webgate.ec.europa.eu/youreurope/sdg/public/dtx/import

2.2. Request header parameters

Parameter	Type	Mandatory?	Details
x-api-key	string	Yes	The value of the parameter is shared on the API Key module of the SDG application for each member state.
x-api-user	string	Yes	This will set the owner of the links that will be imported through the web service.

2.3. Request body parameters

Parameter	Type	Mandatory?	Details
title	string	Yes	The title that will be saved for that specific link
url	string	Yes	The URL that will be saved for that specific link
description	string	No	The description that will be saved for that specific link

Parameter	Type	Mandatory?	Details
SDGDashboardInfoSearchResults	string	No	Whether to use the title and description information provided in the form or opt for the HTML information retrieved through the crawler functionality. Possible values: - **y** - **n**
type	string	Yes	This will contain the type of content present in that link. Can have the value: - **Information** - **Procedure** *Needed only for Web page URL type.*
categories	array	Yes	The category codes will be taken from Annex I and II of the SDGR. Only lowest level categories are accepted (the codes containing the letter of the category and the number of the area) *Needed only for Web page URL type.*
categories[].category	string	Yes	The category codes will be taken from Annex I and II of the SDGR. Only lowest level categories are accepted (the codes containing the letter of the category and the number of the area) *Needed only for Web page URL type.*
language	string	Yes	Language of the web page. The value can only contain the ISO 639-1 Code of a language. *Needed only for Web page URL type.*
urlType	string	Yes	The type of the notified URL Possible values: - **Web page** - **Web folder**

nationalCode	string	No	NUTS or LAU location ID for which the content on the web page is valid. *Needed only for Web page URL type.*
parentURL	string	No	The URL of the parent of a notified web page
crawlUrl	**string**	**No**	Whether to crawl or not a web folder using the Normal or the Java Script Crawler. *Available only for Web folder URL type* Possible values: **Normal** **JavaScript**
sitemaps	**array**	**No**	Other web pages (URLs) the user would like to include when crawling this specific web folder. *Available only for Web folder URL type*

Parameter	Type	Mandatory?	Details
excludedPaths	array	No	Web folders that the user wants to exclude from the search results for the notified URLs. ***Available only for Web folder URL type*** *Example: if you have notified https://gov.eu and you don't want pages from the folder **news** to appear in the search results you can add here https://gov.eu/news/.*
excludedPaths[].excludedPath	string	No	All the sub paths that have been excluded from future crawling of the parent URL
ignoreParams	array	No	In order to help the crawler, in case the metadata information has been inserted directly into your HTML pages, if the parameters added are found in certain URLs will alert the crawler to ignore those pages. ***Available only for Web folder URL type*** *Example: if the news pages contain a parameter e.g. (**article**) it can be added here as ignore parameter and every time a URL contains this parameter will be ignored by the crawler.*
ignoreParams[].ignoreParam			All the parameters that should be ignored by the crawler when searching for metadata links for the parent URL.
delete	char	Yes	Marks the items that you want to be deleted from the links repository: • **n** for **No** • **y** for **Yes**

2.3.1. Request body example

```
{
"linkData":
            [
              {
                "title":"Residence procedure",

"url":"https://www.belgium.be/en/family/residence_documents_for_belgium",
                "description":"Procedure for people to come to Belgium as
foreigners",
                "sdgDashboardInfoSearchResults": "y",
                "type" : "Procedure",
                "categories" :
                                [
                                    {
                                        "category" : "D1"
                                    },
                                    {
                                        "category" : "D2"
                                    },
                                    {
                                        "category" : "D4"
                                    }
                                ],
                "language" : "en",
                "urlType" : "Web page",
                "nationalCode" : "national codes dataset in the wiki",
                "parentUrl" : "https://www.belgium.be/",
                "crawlUrl": "",
                "sitemaps": "",
                "excludedPaths" :[],
                "ignoreParams" :[],
                "delete": "n"
                }

            ]
}
```

2.4. Reply message body parameters

Parameter	Type	Details
status	string	If the request has been successfully processed the value of the parameter will be 200
data	array	The returned value of the parameter will be an array with the links that were imported: [imported_Links_Array]
message	string	The returned message. Example: "Links migrated Successfully"

2.4.1. Reply body message example

```
{
    "status": "200",
    "data": [],
    "message": "Links migrated Successfully"
}
```

2.5. Error messages

The below list displays all error messages and their description which the client could receive synchronously in case the request is invalid. Error messages are detailed describing exactly what is missing from the request.

Parameter	Type	Mandatory?	Details
status	string	Yes	Status is used to notify that there is something wrong in the payload
errors	string	Yes	Description of the issue
errorFields	string	No	Details the location of the encountered issues (e.g. linkData[**0**] describes which **n'th** link in the payload has an error)

2.5.1. Example of an error message

```
{
    "status": 400,
    "errors": [
        "Please provide a Title"
    ],
    "errorFields": [
        "linkData[0].title"
    ]
}
```

Error code	Error message	Details
400	The author is not registered in the system. Please provided a registered user !	The username provided is not currently registered in the system.
400	Please provide a valid secure token	The x-api-key parameter provided in the header for authentication is not valid. Is not the same as the one provided in API Key module per member state.
400	Please provide links to be imported	List of the links received in the payload is empty.
400	Please provide a Title	Title of the link is missing.
400	Please provide a Title having length smaller than [title_Max_Length]	Length of the title is greater than the maximum allowed length.
400	Please provide a valid URL	URL is invalid.
400	Please provide a Url having length smaller than [url_Max_Length]	Length of the URL is greater than the maximum allowed length.
400	Please provide a Description having length smaller than [description_Max_Length]	Length of the description is greater than the maximum allowed length.
400	[link_URL] defined as notified link is already present in the system as metadata	The provided link is already present in the system as a metadata link.
400	The author is not authorized to update this link	The provider user does not have the proper grants to update the link
400	Parent URL [link_Parent_URL] provided does not match with the child URL [link_URL]	The parent URL received does not correspond with the provided child URL, their URLs do not match. E.g. : Parent URL path is not a sub path of the child URL
400	Web Folder links cannot have parent Urls	Web folder links do not have any parents since they are the root links defined in the system.

Error code	Error message	Details
400	The value for excludedPath is not valid. Please do not use {} for empty objects.	The value provided in the excluded path parameter is not valid since it doesn't corresponds with any path defined in the URL. In order to not define any exclusions it is recommended not to use {} for empty objects.
400	Please provide unique excluded paths	Values provided in the excluded paths have two or more duplicates.
400	Please provide excluded paths different than link's url	The provided excluded path is identical with the provided URL, providing an excluded path like this basically excludes the entire URL, hence saving the URL becomes pointless.
400	Please provide excluded paths as subPath for link's url	Values provided in the excluded paths should be a sub path of the URL.
400	The value for ignoreParams is not valid. Please do not use {} for empty objects.	The value provided in the ignore parameter is not valid since it doesn't corresponds with any parameter defined in the URL. In order to not define any exclusions it is recommended not to use {} for empty objects.
400	Please provide a valid link type for link : [link_URL]	Link type should be "Information" and/or "Procedure".
400	Please provide a category for the link : [link_URL]	Link category is mandatory and should be provided for any URL.
400	Invalid category public id : [link_Category] for link : [link_URL]	The category PID provided for the URL is not valid, is not among the accepted PIDs defined in ANNEX I and ANNEX II.
400	Please provide a valid language code for link : [link_URL]	Language code is not among the accepted system code languages.
400	Please provide a valid url type for link : [link_URL]	URL type should be "Web folder" or "Web page".

Error code	Error message	Details
400	Please provide a valid delete flag for link : [link_URL]	Delete flag should be: • **n** for **No** • **y** for **Yes**
400	Please provide valid location or regions codes for : [link_URL]	Locations or regions codes provided are not among the ones accepted by the system.
400	A web page must not have excluded paths or ignore parameters	Excluded paths and ignore parameters are available only for Web folders.