

# Technical Specification

## Document API



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## **1 Introduction**

The Document API in Lifecare Exchange Services provides services that make it possible to import links to documents, such as IUP documents. The services in the Document API are accessed via URIs.

This document describes following:

- Which information that a user can import via the Document API.
- How the document link information is divided into entities and how these entities are structured.

### **1.1 Prerequisites**

Before you can get access to the Document API you must request a license key from Tieto. You should have basic knowledge on Swedish school system and W3C XML before you start using the API.

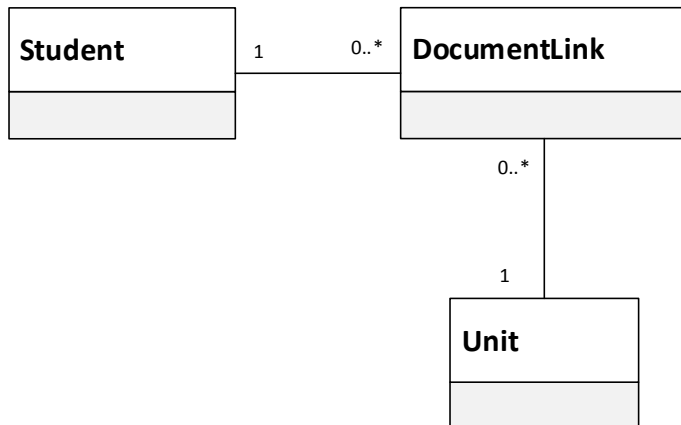
## 2 Supported school types

The table below describes the supported types of school.

| School type                                      | Description                                      | Code |
|--------------------------------------------------|--------------------------------------------------|------|
| Preschool                                        | Childcare for children between 1-6 years         | FS   |
| Pedagogical Care                                 | Childcare groups for children between 1-12 years | PC   |
| Leisure time centre                              | Childcare for school-aged children over 6 years  | F    |
| Preschool class                                  | Preschool class for children 6 years of age      | FK   |
| Compulsory School                                | Primary school for younger students              | GR   |
| Compulsory School For Learning Disabilities      | Compulsory school for learning disabilities      | S    |
| Upper Secondary School                           | Secondary school. 3-4 years education            | GY   |
| Upper Secondary School For Learning Disabilities | Secondary school for learning disabilities       | GS   |
| Municipal Adult School                           | Municipality school for adults                   | KV   |
| Adult School For Learning Disabilities           | Adult school for learning disabilities           | SV   |
| Swedish For Immigrants School                    | School for Swedish immigrants                    | SF   |
| Higher Vocational Education                      | School for Higher Vocational Education           | YH   |

### 3 Domain model

The diagram below describes how the information is divided into entities and how these entities are structured.



### 4 Entities

#### 4.1 Properties

The delivery information of the Document data that is used to manage the exchange of data between source and target system.

| Name       | Description                                                                                  |
|------------|----------------------------------------------------------------------------------------------|
| datetime   | The date and time the XML information were generated. The format is as [YYYY-MM-DDTHH:MM:SS] |
| datasource | This is the source identifier of data source                                                 |
| comments   | Input values for the service, in free text format.                                           |
| schooltype | The schooltype of which the data is encompassing                                             |
| timeframe  | Time frame for the document data                                                             |

#### 4.2 StudentDocumentLink

| Name         | Description                                                                                                                                                | Read-only |
|--------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|
| studentid    | Id for the student the document is written for                                                                                                             | No        |
| documentlink | List of documents belonging to the student                                                                                                                 | No        |
| complete     | Boolean indicating whether the documents in documentlink are the actual collection of documents (and their respective change-value is ignored), or if they | No        |

| Name | Description                              | Read-only |
|------|------------------------------------------|-----------|
|      | are an update of the existing collection |           |

### 4.3 DocumentLink

| Name   | Description                                                                                                                                                                                                                                                       | Read-only |
|--------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|
| href   | Link to the document (id for the document)                                                                                                                                                                                                                        | No        |
| name   | Document name                                                                                                                                                                                                                                                     | No        |
| type   | Type of document<br>IndividualDevelopmentPlan      Individual development plan (IUP)<br>ActionPlan                              Action program (ÅP)<br>PerformanceReview                  Performance review<br>OwnDocument                          Own document | No        |
| unitid | Id for the unit the document belongs to                                                                                                                                                                                                                           | No        |
| start  | Date when the document was created                                                                                                                                                                                                                                | No        |
| end    | Date when the document is archived and is no longer used                                                                                                                                                                                                          | No        |
| change | Type of change<br>Add                                          New document link<br>Update                                      Updated document link<br>Delete                                        Deleted document link                                      | No        |

## 5 Services

All services are based on HTTP REST technology and organized in school types to match each school structure. "Update services" are using the method HTTP POST and "Get services" are using the method HTTP GET.

### 5.1 Update of document links

The services update document links for students.

The services take no parameters.

Base path for services are: [https://\[host\]/WE.Education.Integration.Host/LES/Document/V2/Document.svc](https://[host]/WE.Education.Integration.Host/LES/Document/V2/Document.svc)

Services:

| Service                                                        | Description                                                                 |
|----------------------------------------------------------------|-----------------------------------------------------------------------------|
| UpdatePreSchoolDocumentLinks                                   | Update document links for preschool                                         |
| UpdatePedagogicalCareDocumentLinks                             | Update document links for pedagogical care                                  |
| UpdateLeisureTimeCentreDocumentLinks                           | Update document links for LeisureTimeCenter                                 |
| UpdatePreSchoolClassDocumentLinks                              | Update document links for preschool class                                   |
| UpdateCompulsorySchoolDocumentLinks                            | Update document links for compulsory schools                                |
| UpdateCompulsorySchoolForLearningDisabilitiesDocumentLinks     | Update document links for compulsory school with learning disabilities      |
| UpdateUpperSecondarySchoolDocumentLinks                        | Update document links for upper secondary school                            |
| UpdateUpperSecondarySchoolForLearningDisabilitiesDocumentLinks | Update document links for upper secondary school with learning disabilities |
| UpdateMunicipalAdultSchoolDocumentLinks                        | Update document links for municipal adult education                         |
| UpdateHigherVocationalEducationDocumentLinks                   | Update document links for higher vocational education                       |
| UpdateSwedishForImmigrantsSchoolDocumentLinks                  | Update document links for Swedish for immigrants school                     |
| UpdateAdultSchoolForLearningDisabilitiesDocumentLinks          | Update document links for adult school for learning disabilities            |

## 6 Appendix

### 6.1 References

| Name                                  | Address                                                                               |
|---------------------------------------|---------------------------------------------------------------------------------------|
| Document API XML schemas and examples | <a href="https://github.com/ExchangeServices">https://github.com/ExchangeServices</a> |

### 6.2 Vocabulary

| Word | Description |
|------|-------------|
|      |             |
|      |             |
|      |             |
|      |             |