Technical Specification

Document API

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1 Introduction

The Document API 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 Document link

3.1 Description

This chapter describes the document link entities and their attributes.
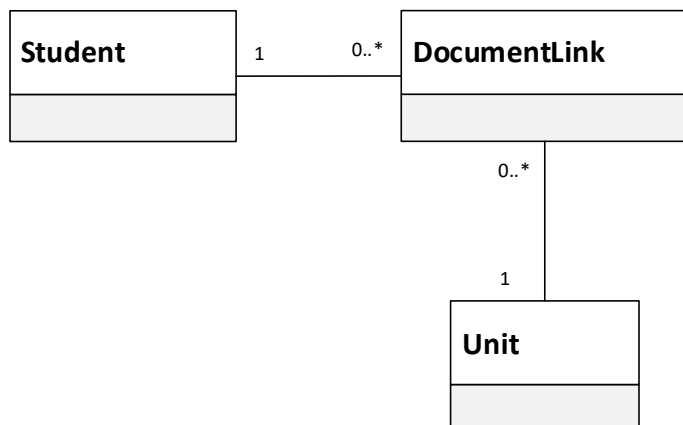
3.2 Properties

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

3.3 Domain model

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

3.4 Entities

3.4.1 StudentDocumentLink

Name	Description	Read-only
studentid	Id for the student the document is written for	No

Name	Description	Read-only
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 are an update of the existing collection	No

3.4.2 DocumentLink

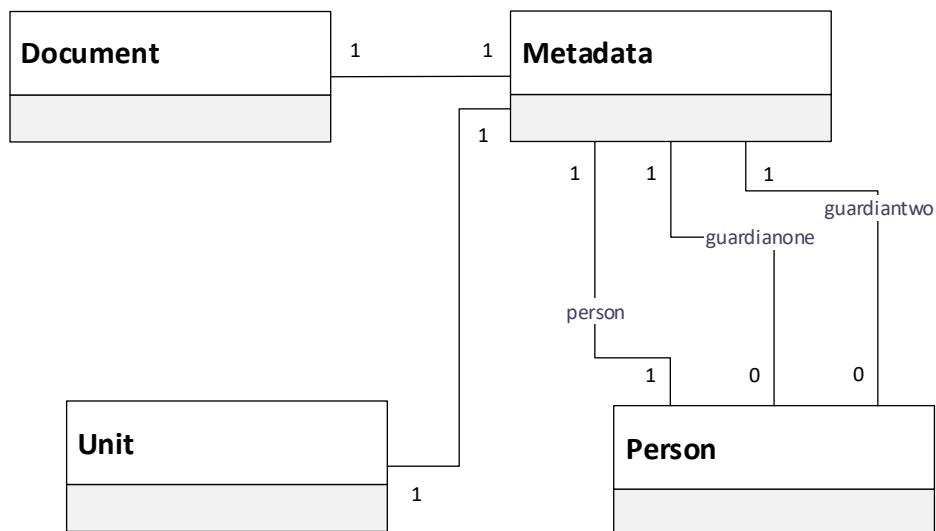| Name	Description		Read-only
href	Link to the document (id for the document)		No
name	Document name		No
type	Type of document		No
	IndividualDevelopmentPlan	Individual development plan (IUP)	
	ActionPlan	Action program (ÅP)	
	PerformanceReview	Performance review	
	OwnDocument	Own document	
unitid	Id 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		No
	Add	New document link	
	Update	Updated document link	
	Delete	Deleted document link	

4 Archiving document

4.1 Description

This chapter describes the archiving document entities and their attributes

4.2 Domain model

The diagram below describes how the information is divided into entities and how these entities are structured when It comes to the report document.

4.3 Entities

4.3.1 Document

Name	Description	Read-only
reportname	Name of the report for which this document is getting archived	Yes
documentid	Unique identifier for the document	Yes
documenttitle	Document title indicates the report description	Yes
documentdate	The document date is the date on which document is created	Yes
archivedby	Unique identifier (PersonId) for document archived person	Yes
archivedbyfirstname	First name of document archived person	Yes
archivedbylastname	Last name of document archived person	Yes
metadata	Meta data for the report document	Yes
documentcontent	Actual document content which is being archived	Yes

4.3.2 Metadata

Name	Description	Read-only
person	Person information for which document is archived	Yes
unit	Information about the student's school	Yes
guardianone	Person guardian one information	Yes
guardiantwo	Person guardian two information	Yes

4.3.3 Person / Guardian One / Guardian Two

Name	Description	Read-only
id	Unique identifier for person	Yes
personid	Id for the person for which document is getting archived	Yes
firstname	First name of person	Yes
lastname	Last name of person	Yes
postaladdress	The locality component of the address e.g., the City	Yes
postalcode	The post identity number	Yes
streetaddress	The actual street address	Yes
phonehome	Phone home number	Yes
phonemobile	Mobile number	Yes
phonework	Work phone number	Yes
emailhome	Email home address	Yes
emailwork	Work email for staff, school email for students	Yes

4.3.2 Unit

Name	Description	Read-only
unitid	Unique identifier for unit	Yes
unitname	Name of unit	Yes
unittype	Type of unit	Yes
municipality	Municipality name	Yes
organizationid	Unique identifier for organization	Yes

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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 XML data to the service shall be delivered in the <documents> element.

The services take no parameters.

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

5.2 Get report document

This service retrieves a complete document together with its meta data. The XML data is returned in the <reportdocumentmetadata> element.

Parameters:

Parameter	Mandatory	Description
documentId	Yes	An id that uniquely identifies a report document.

Services:

Service	Description
GetCompulsorySchoolReportDocumentById	Get document along with metadata of compulsory school report for archiving

5.3 Get report document identities

This service retrieves the identifiers for documents that are not marked as **archived**. The XML data is returned in the <compulsoryschoolreportdocuments> element.

Parameters:

Parameter	Mandatory	Description
isNationalInbox	No	A Boolean flag indicating whether the search for report documents stamped as NationalInbox (TRUE) or DigitalArchive (FALSE, or the parameter is absent)

Services:

Service	Description
GetCompulsorySchoolReportDocumentIds	Get document ids of compulsory school reports for archiving

5.4 Update report document links

The services update report document links for students. The XML data to the service shall be delivered in the <reportdocuments> element.

The services take no parameters.

Services:

Service	Description
UpdateCompulsorySchoolReportDocument	Update status and reference number of archived school reports

6 Appendix

6.1 References

Name	Address
Document API XML schemas and examples	https://github.com/ExchangeServices

6.2 Vocabulary

Word	Description