Technical Specification

Offering API

Table of Contents

Version 2.0.4
2018-01-26

1 Introduction

The Offering API in Lifecare Education API Services provides services that make it possible to get information about which courses or subjects a school offers the students. The services in the Offering API are accessed via URIs.

This document describes following:

- Which offerings that a user can get via the Offering API.

- How the offering information is divided into entities and how these entities are structured.
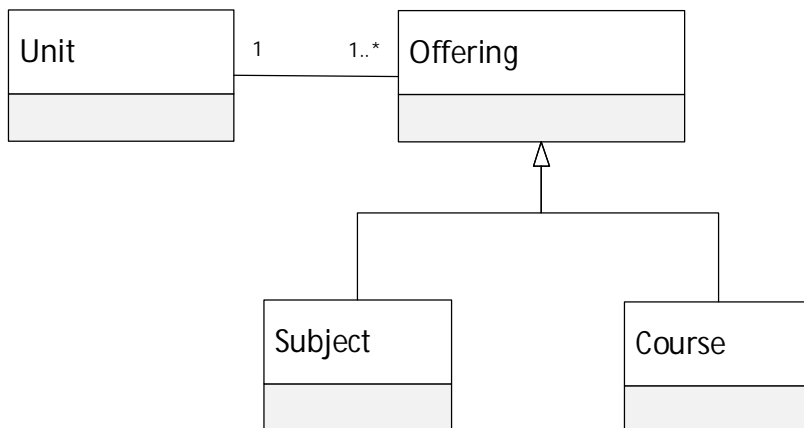
1.1 Prerequisites

Before you can get access to the Offering 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
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
Swedish For Immigrants School	Swedish for immigrants school	SF
Adult School For Learning Disabilities	School for adults with learning disabilities	SV
Municipal Adult School	Municipality school for adults	KV
Higher Vocational Education	Higher vocational education	YH

3 Domain model

4 Entities

4.1 Properties

The delivery information of the Offering 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 offering data

4.2 Unit

Name	Description	Read-only
id	School id	Yes
name	School name	Yes
schooltype	School type, see supported school types	Yes

4.3 Subject

Name	Description	Read-only
id	Id on subject	Yes
code	SCB subject code	Yes
recommendedsubjectcode	Generated scbcode for subject	Yes
name	Name for the subject	Yes
nameinenglish	Name for the subject in english	Yes
officialsubject	Indicates if the subject is official, i.e. a subject from Skolverket	Yes

4.4 Course

Name	Description	Read-only
id	Id on course	Yes
code	SCB course code	Yes
name	Name for the course	Yes
nameinenglish	Name for the course in english	Yes
officialcode	If it's an unofficial code then it can have a relation to an official coursecode	Yes
points	Points for the course	Yes
courselevel	Course level	Yes
subjectcode	Subject code	Yes
subjectname	Subject name	Yes
officialcourse	Indicates if the course is official, i.e. a course from Skolverket	Yes

4.5 Educationplan

Name	Description	Read-only
name	Name of the education plan	Yes
type	Type of education plan	Yes
program	Program	Yes
authorityregulated	Defined by ministry of school department	Yes
coursetype	List of coursetypes in the education plan	Yes

4.6 Coursetype

Name	Description	Read-only
name	Name of the courestype	Yes
type	Type of coursetype *UpperSecondarySubjects* *ProgrammeSpecificSubjects* *Orientation* *ProgrammeSpecialisation* *IndividualOptions* *DiplomaProject* *OrientationAndProgrammeSpecialisation* *UpperSecondarySubjectsForStudentsWithLearningDisabilities* *AssessedCourseWork* *CommonSubjectsInFurtherEducation* *Profile* *Outcome* *DegreeProject* *Other*	Yes
points	Points	Yes
course	List of courses included in the coursetype	Yes

5 Services

All network services are based on HTTP REST technology and organized in school types to match each school structure. Importing information using method HTTP POST and export information using method HTTP GET.

5.1 Subjects

These services return subjects offered by units. The output is XML information with the subjects.

Base path for services are: https://[host]/WE.Education.Integration.Host/LES/Offering/V2/Offering.svc

Parameters:

Parameter	Mandatory	Description
UnitId	No	Id for the school unit. If no UnitId is specified then subjects for all active units are returned.

Services:

Service	Description
GetCompulsorySchoolSubjects	Get subjects for compulsory school units
GetCompulsorySchoolForLearningDisabilitiesSubjects	Get subjects for compulsory school for learning disabilities units

5.2 Courses

These services return courses offered by units. The output is XML information with the courses.

Base path for services are: https://[host]/WE.Education.Integration.Host/LES/Offering/V2/Offering.svc

Parameters:

Parameter	Mandatory	Description
UnitId	No	Id for the school unit. If no UnitId is specified then courses for all active units are returned.

Services:

Service	Description
GetUpperSecondarySchoolCourses	Get courses for upper secondary school units
GetUpperSecondarySchoolForLearningDisabilitiesCourses	Get courses for upper secondary school for learning disabilities units
GetSwedishForImmigrantsSchoolCourses	Get courses for Swedish for immigrants units
GetMunicipalAdultSchoolCourses	Get courses for municipal adult school units
GetAdultSchoolForLearningDisabilitiesCourses	Get courses for adult school for learning disabilities units
GetHigherVocationalEducationCourses	Get courses for higher vocational education units

5.3 Education plans

These services return education plans from Swedish National Agency for Education. They also return municipal specific education plans. The output is XML information with the education plans.

Base path for services are: https://[host]/WE.Education.Integration.Host/LES/Offering/V2/Offering.svc

Services:

Service	Description
GetUpperSecondarySchoolEducationPlans	Get education plans for upper secondary school
GetUpperSecondarySchoolForLearningDisabilitiesEducationPlans	Get education plans for upper secondary school for learning disabilities

6 Appendix

6.1 References

Name	Address
Offering API XML schema	https://github.com/ExchangeServices

6.2 Vocabulary

Word	Description
PID	Personal identity, formatted [YYYYMMDD-NNNN]
GUID	Global unique identifier