

Technical Specification

Offering API



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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

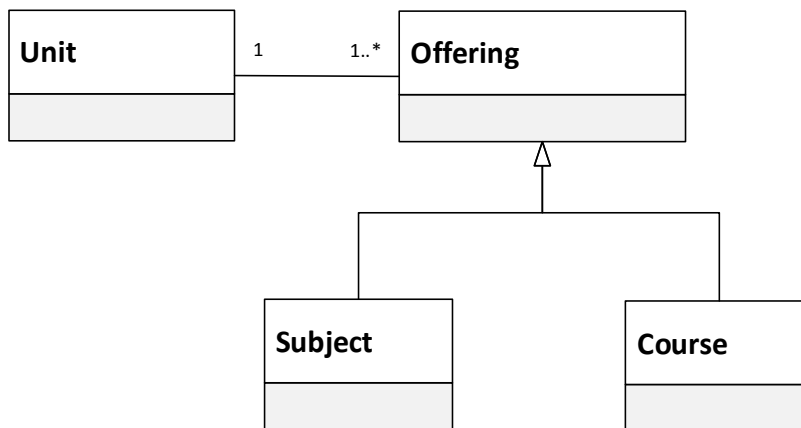
Before you can get access to the Offering API you must request a license key from Tieto. You should have basic knowledge on Swedish school system and W3C XML before you start using the API.

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 coursetype | Yes |
| type | Type of coursetype <u>UpperSecondarySubjects</u> <u>ProgrammeSpecificSubjects</u> <u>Orientation</u> <u>ProgrammeSpecialisation</u> <u>IndividualOptions</u> <u>DiplomaProject</u> <u>OrientationAndProgrammeSpecialisation</u> <u>UpperSecondarySubjectsForStudentsWithLearningDisabilities</u> <u>AssessedCourseWork</u> <u>CommonSubjectsInFurtherEducation</u> <u>Profile</u> <u>Outcome</u> <u>DegreeProject</u> <u>Other</u> | 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](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](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 (Not implemented yet)

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](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 |