

Technical Specification

Schedule API



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1 Introduction

The Schedule API provides services that make it possible to import teacher assignments. The services in the Schedule API are accessed via URIs.

This document describes following:

- Which information that can be imported via the Schedule API.
- How the information is divided into entities and how these entities are structured.

1.1 Prerequisites

Before you can get access to the Schedule 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.

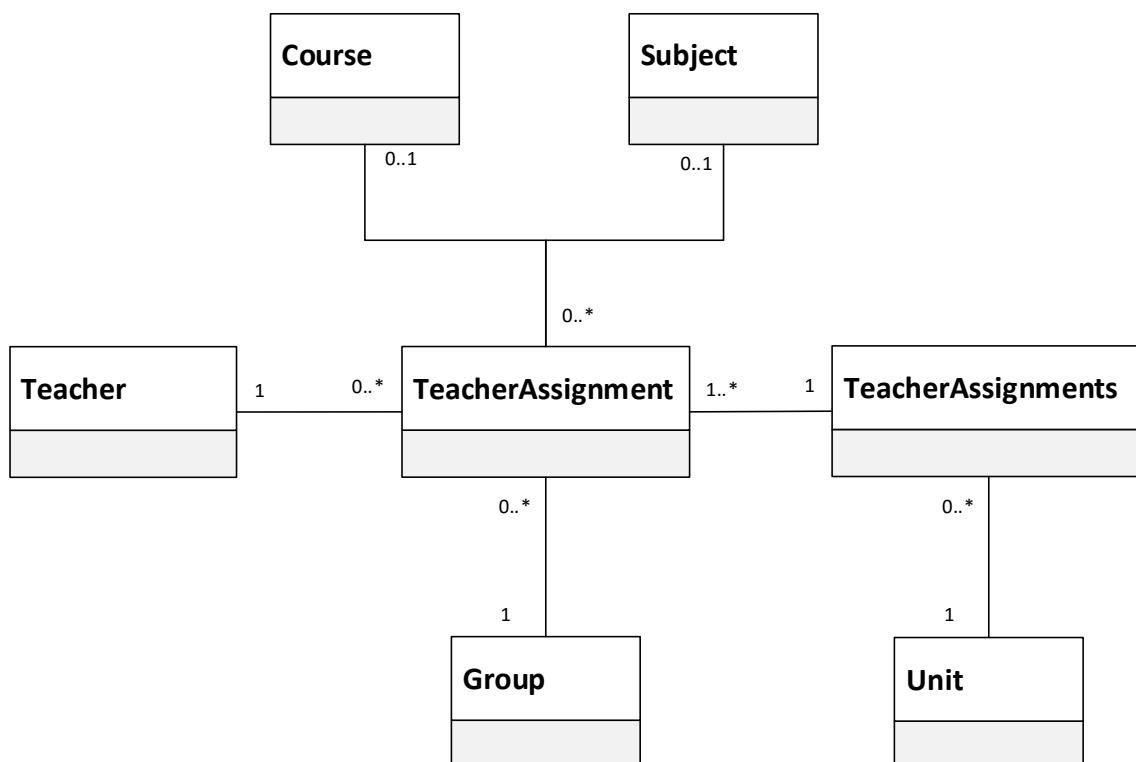
School type	Description	Code
Compulsory School	Compulsory school	GR
Compulsory School For Learning Disabilities	Compulsory school for learning disabilities	S
Upper Secondary School	Secondary school. 3-4 years education	GY
Upper Secondary School For Learning Disabilities	Secondary school for learning 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 Teacher assignments in classes and education groups

3.1 Description

This chapter describes the teacher assignment entities and their attributes.

3.2 Domain model



3.3 Entities

3.3.1 TeacherAssignments

Name	Description	Read-only
unitid	Unit identity	No
schooltype	School type	No
teacherassignment	All teacher assignments for the unit between start and end date	No
start	Start date	No
end	End date	No

3.3.2 TeacherAssignment

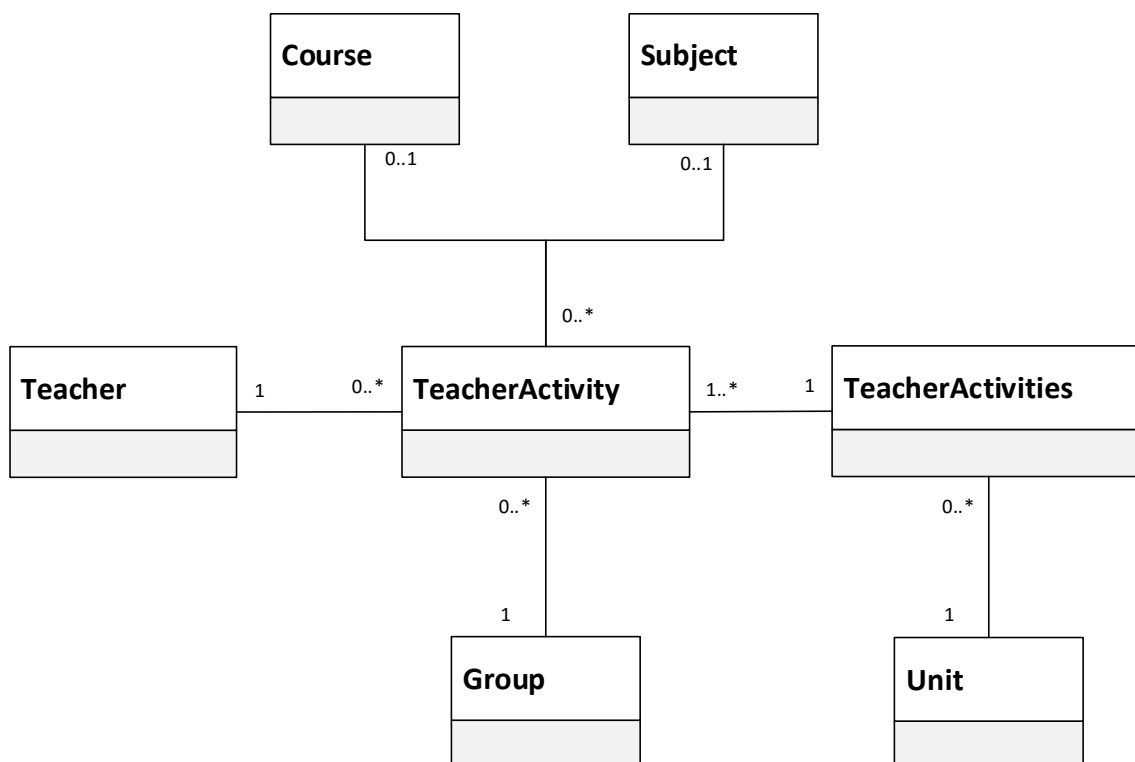
Name	Description	Read-only
teacherid	Teacher identity	No
groupid	Identity for education group or class	No
subjectcode	Subject code	No
coursecode	Course code	No
hours	Number of hours	No
start	Start date	No
end	End date	No

4 Teacher activities in schedule groups

4.1 Description

This chapter describes the teacher activities entities and their attributes.

4.2 Domain model



4.3 Entities

4.3.1 TeacherActivities

Name	Description	Read-only
unitid	Unit identity	No
schooltype	School type	No
teacheractivities	All teacher activities at the unit between start and end date	No
start	Start date	No
end	End date	No

4.3.2 TeacherActivity

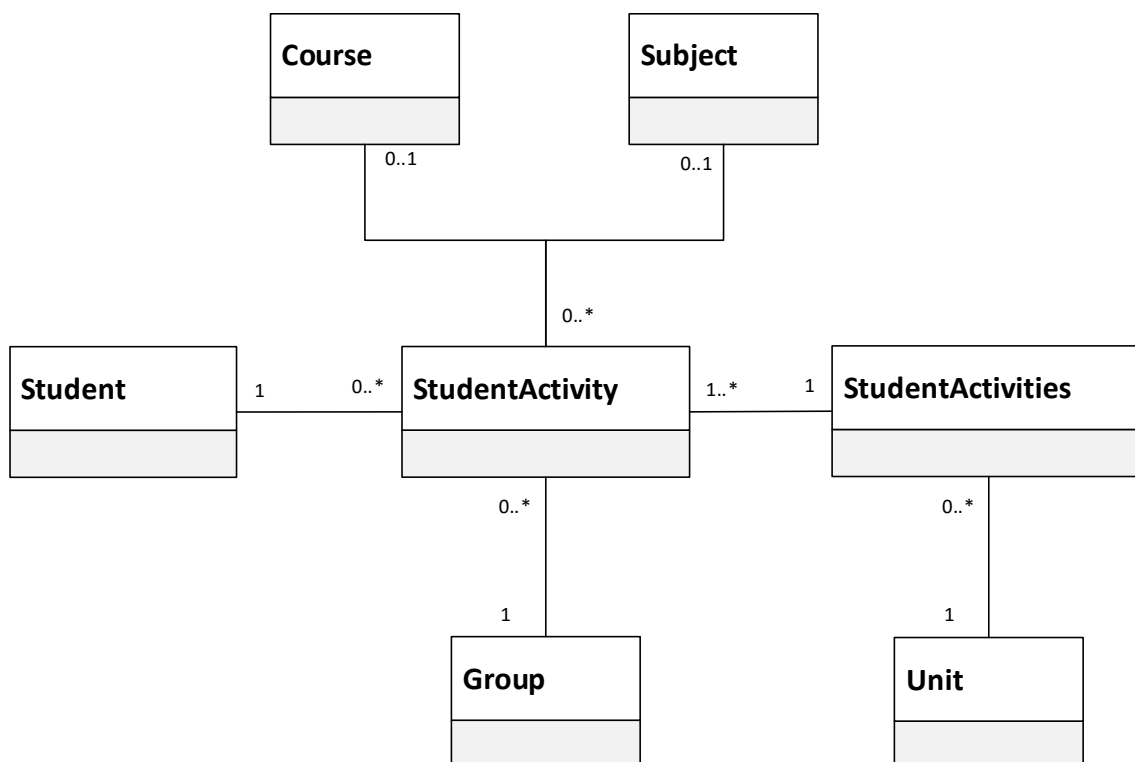
Name	Description	Read-only
teacherid	Teacher identity	No
groupid	Identity for schedule group	No
subjectcode	Subject code	No
coursecode	Course code	No
hours	Number of hours	No
start	Start date	No
end	End date	No

5 Student activity in schedule groups

5.1 Description

This chapter describes the student activity entities and their attributes.

5.2 Domain model



5.3 Entities

5.3.1 StudentActivities

Name	Description	Read-only
unitid	Unit identity	No
schooltype	School type	No
studentactivity	All student activities for the unit between start and end date	No
start	Start date	No
end	End date	No

5.3.2 StudentActivity

Name	Description	Read-only
studentid	Student identity	No
groupid	Identity for schedule group	No
subjectcode	Subject code	No
coursecode	Course code	No
start	Start date	No
end	End date	No

6 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.

6.1 Import of teacher assignments in classes and education groups

The services below update or add new teacher assignments. The services take no parameters.

Base path for services are: [https://\[host\]/WE.Education.Integration.Host/LES/Schedule/V1/Schedule.svc](https://[host]/WE.Education.Integration.Host/LES/Schedule/V1/Schedule.svc)

Services:

Service	Description
UpdateCompulsorySchoolTeacherAssignments	Update or add new teacher assignments for compulsory school
UpdateCompulsorySchoolForLearningDisabilitiesTeacherAssignments	Update or add new teacher assignments for compulsory school for learning disabilities
UpdateUpperSecondarySchoolTeacherAssignments	Update or add new teacher assignments for upper secondary school
UpdateUpperSecondarySchoolForLearningDisabilitiesTeacherAssignments	Update or add new teacher assignments for upper secondary school for learning disabilities
UpdateSwedishForImmigrantsSchoolTeacherAssignments	Update or add new teacher assignments for Swedish for immigrants
UpdateMunicipalAdultSchoolTeacherAssignments	Update or add new teacher assignments for municipal adult school
UpdateAdultSchoolForLearningDisabilitiesTeacherAssignments	Update or add new teacher assignments for adult school for learning disabilities
UpdateHigherVocationalEducationTeacherAssignments	Update or add new teacher assignments for higher vocational education

6.2 Import of teacher activities in schedule groups

The services below update or add new teacher activities in schedule groups. The services take no parameters.

Base path for services are: [https://\[host\]/WE.Education.Integration.Host/LES/Schedule/V1/Schedule.svc](https://[host]/WE.Education.Integration.Host/LES/Schedule/V1/Schedule.svc)

Services:

Service	Description
UpdateCompulsorySchoolTeacherScheduleActivities	Update or add new teacher schedule activities for compulsory school
UpdateCompulsorySchoolForLearningDisabilitiesTeacherScheduleActivities	Update or add new teacher activities for compulsory schedule school for learning disabilities
UpdateUpperSecondarySchoolTeacherScheduleActivities	Update or add new teacher schedule activities for upper secondary school
UpdateUpperSecondarySchoolForLearningDisabilitiesScheduleTeacherActivities	Update or add new teacher schedule activities for upper secondary school for learning disabilities
UpdateSwedishForImmigrantsSchoolTeacherScheduleActivities	Update or add new teacher schedule activities for Swedish for immigrants
UpdateMunicipalAdultSchoolScheduleTeacherActivities	Update or add new teacher schedule activities for municipal adult school
UpdateAdultSchoolForLearningDisabilitiesTeacherScheduleActivities	Update or add new teacher schedule activities for adult school for learning disabilities
UpdateHigherVocationalEducationTeacherScheduleActivities	Update or add new teacher schedule activities for higher vocational education

6.3 Import of student activities in schedule groups

The services below update or add new student activities in schedule groups. The services take no parameters.

Base path for services are: [https://\[host\]/WE.Education.Integration.Host/LES/Schedule/V1/Schedule.svc](https://[host]/WE.Education.Integration.Host/LES/Schedule/V1/Schedule.svc)

Services:

Service	Description
UpdateCompulsorySchoolStudentScheduleActivities	Update or add new student schedule activities for

Service	Description
	compulsory school
UpdateCompulsorySchoolForLearningDisabilitiesStudentScheduleActivities	Update or add new student schedule activities for compulsory school for learning disabilities
UpdateUpperSecondarySchoolStudentScheduleActivities	Update or add new student schedule activities for upper secondary school
UpdateUpperSecondarySchoolForLearningDisabilitiesStudentScheduleActivities	Update or add new student schedule activities for upper secondary school for learning disabilities
UpdateSwedishForImmigrantsSchoolStudentScheduleActivities	Update or add new student schedule activities for Swedish for immigrants
UpdateMunicipalAdultSchoolStudentScheduleActivities	Update or add new student schedule activities for municipal adult school
UpdateAdultSchoolForLearningDisabilitiesStudentScheduleActivities	Update or add new student schedule activities for adult school for learning disabilities
UpdateHigherVocationalEducationStudentScheduleActivities	Update or add new student schedule activities for higher vocational education

7 Appendix

7.1 References

Name	Address
Schedule API XML schemas	https://github.com/ExchangeServices

7.2 Vocabulary

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