

Edlevo APIs

Economy API



Version 2.0

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Technical Specification API

Economy API

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1 Introduction

The Economy API provides services that:

- allows users to fetch adult school economy information. You can specify a start and end date to retrieve data. The data will have a start date on or after the given start date and an end date on or before the given end date. Alternatively, you can use a calculation date to fetch data that matches the provided calculation date. This is applicable for each corresponding adult school type.
- enables users to fetch preschool economy information for a specified year and month.
- enables users to fetch compulsory school economy information for a specified year and month. This is applicable for each corresponding compulsory school type.
- allows users to fetch upper secondary school economy information. You can specify a start and end date to retrieve data. The data will have a start date on or after the given start date and an end date on or before the given end date. Alternatively, you can use a calculation date to fetch data that matches the provided calculation date. This is applicable for each corresponding upper secondary school type.

The services in the Economy API are accessed via URIs.

This document describes the following:

- How the information elements are structured.
 - The available services.
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1.1 Prerequisites

Before you can get access to the Economy API, you must request a license key from Tieto. You should have basic knowledge of the economic terms used in Edlevo, the Swedish school system and W3C XML before you start using the API.

1.2 Endpoints

Base path for the services are:

`https://[host]/WE.Education.Integration.Host.Proxy/LES/Economy/v2/Economy`

To call a service, append the service name to the base path listed above, including any query parameters and your LicenseKey.

2 Supported school types

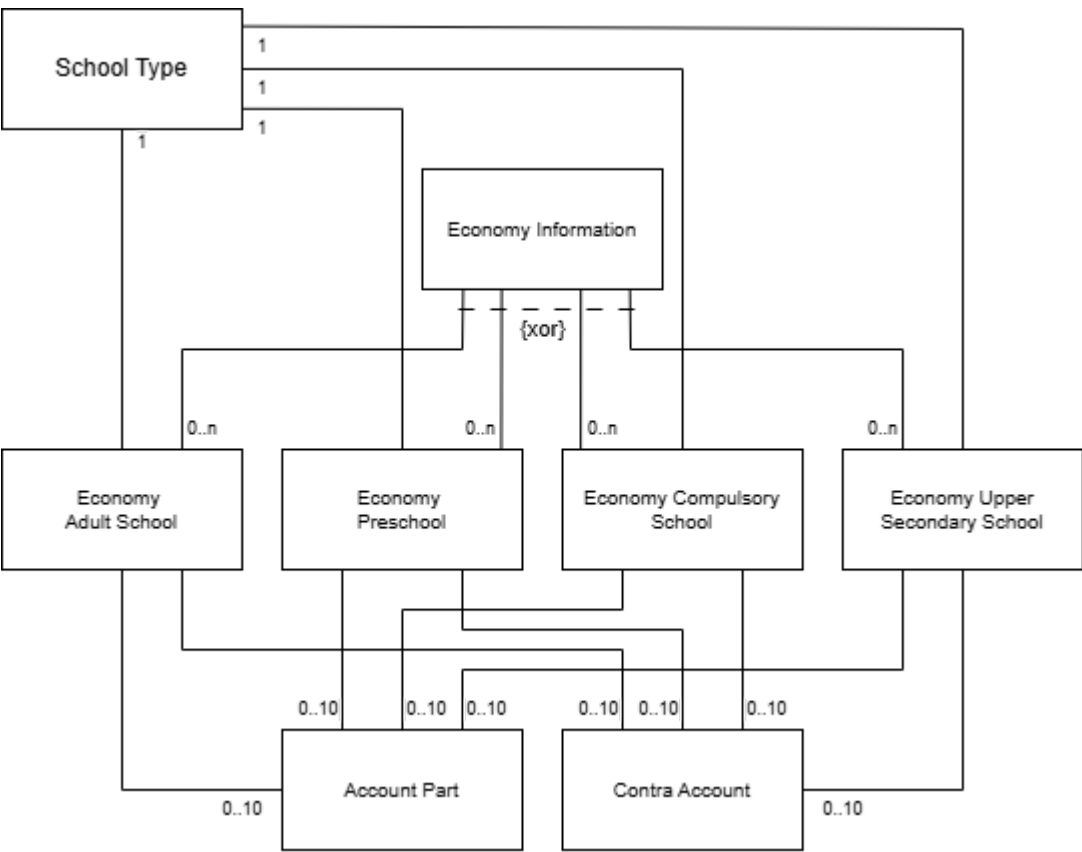
This API handles economy information for the following school types:

- Municipal adult school
- Education for adults with intellectual disabilities
- Swedish for immigrants school
- Higher vocational education school
- Preschool
- Compulsory school
- Compulsory school for learning disabilities
- Preschool class
- Upper secondary school
- Upper secondary school for learning disabilities

3 Economy Information Document

3.1 Domain model

This chapter describes the Economy information document entities and their attributes.



3.2 Entities

3.2.1 economyinformation

Attributes for economyinformation entity.

Attribute	Description
economyadultschool or economypreschool or economycompulsoryschool or economyuppersecondaryschool	The adult school, preschool, compulsory school, or upper secondary school data.

3.2.2 economyadultschool

Attributes for economyadultschool entity

Attribute	Description
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Attribute	Description
unitdomainid	The school domain or school type
unitname	The unit name
calculationtypecode	The calculation type code
pricelistcode	The price list code
calculationdate	The calculation date
unitid	The unit id
regard	The name of the created amount
pricecode	The price code
personid	The social security number of the student
name	The name of the student
programcode	The program code
groupid	The group id
coursecode	The course code
period	The study period
startdate	The start date
enddate	The end date
number	The number of points or hours
price	The price
amount	The amount
totalamount	The total amount
suppliernumber	The supplier number
accountpart	Accounts 1 to 10
contraaccount	Contra accounts 1 to 10

3.2.3 economypreschool

Attributes for economypreschool entity

Attribute	Description
placementarea	The placement area code
livingarea	The living area code

Attribute	Description
unitname	The unit name
unitid	The unit id
personid	The social security number of the student
personfirstname	The first name of the student
personlastname	The last name of the student
schoolyear	The school year of the student
childactivitytype	The activity type
startdate	The start date
enddate	The end date
measurementdate	The measurement date
amountconcerns	The amount concerns code
amountconcernstext	The amount concerns text
integrationtimestamp	The integration timestamp
additionalreimbursement	Additional amount
managementid	The management id
calculationmonth	The calculation month, formatted as YYYYMM
primaryadditionalinformationcode	Additional information code
processtype	The process type
suppliernumber	The supplier number
accountgroup	The account group
unitdomaincode	The school domain code
amount	The amount
vat	The VAT
protectedaddress	Protected address
protectionlevel	The protection level
carehours	The care hours or OMF-hours
accountpart	Accounts 1 to 10
contraaccount	Contra accounts 1 to 10

3.2.4 economycompulsoryschool

Attributes for economycompulsoryschool entity

Attribute	Description
placementarea	The placement area code
livingarea	The living area code
unitname	The unit name
unitid	The unit id
personid	The social security number of the student
personfirstname	The first name of the student
personlastname	The last name of the student
schoolyear	The school year of the student
childactivitytype	The activity type
startdate	The start date
enddate	The end date
measurementdate	The measurement date
amountconcerns	The amount concerns code
amountconcernstext	The amount concerns text
integrationtimestamp	The integration timestamp
additionalreimbursement	Additional amount
managementid	The management id
calculationmonth	The calculation month, formatted as YYYYMM
primaryadditionalinformationcode	Additional information code
processtype	The process type
suppliernumber	The supplier number
accountgroup	The account group
unitdomaincode	The school domain code
amount	The amount
vat	The VAT
protectedaddress	Protected address
protectionlevel	The protection level
accountpart	Accounts 1 to 10
contraaccount	Contra accounts 1 to 10

3.2.5 economyuppersecondaryschool

Attributes for economyuppersecondaryschool entity

Attribute	Description
unitdomainid	The school domain or school type
unitname	The unit name
calculationtypecode	The calculation type code
pricelistcode	The price list code
calculationdate	The calculation date
unitid	The unit id
regard	The name of the created amount
pricecode	The price code
personid	The social security number of the student
name	The name of the student
programcode	The program code
groupid	The group id
coursecode	The course code
period	The study period
startdate	The start date
enddate	The end date
number	The number of points or hours
price	The price
amount	The amount
totalamount	The total amount
suppliernumber	The supplier number
accountpart	Accounts 1 to 10
contraaccount	Contra accounts 1 to 10

3.2.6 accountpart

Attributes for accountpart entity

Attribute	Description
accountpart1	Account part 1
accountpart2	Account part 2
accountpart3	Account part 3
accountpart4	Account part 4
accountpart5	Account part 5
accountpart6	Account part 6
accountpart7	Account part 7
accountpart8	Account part 8
accountpart9	Account part 9
accountpart10	Account part 10

3.2.7 contraaccount

Attributes for contraaccount entity

Attribute	Description
contraaccount1	Contra account 1
contraaccount2	Contra account 2
contraaccount3	Contra account 3
contraaccount4	Contra account 4
contraaccount5	Contra account 5
contraaccount6	Contra account 6
contraaccount7	Contra account 7
contraaccount8	Contra account 8
contraaccount9	Contra account 9
contraaccount10	Contra account 10

4 Services

All services are based on HTTP REST technology. "Get services" are using the method HTTP GET.

4.1 Get Adult School Economy

These services fetch economy information with either a start date and an end date or a calculation date for the corresponding adult school type. If start date and end date are used, the data fetched will have a start date on or after the given start date and an end date before or on the given end date. If calculation date is used, the data fetched will have a calculation date that matches the given calculation date.

Query parameter:

Name	Description	Format
StartDate	Get economy information with a start date of 'StartDate' or later.	YYYY-MM-DD, e.g. 2025-02-24
EndDate	Get economy information with an end date of 'EndDate' or earlier.	YYYY-MM-DD, e.g. 2025-02-24
CalculationDate	Get economy information with a calculation date of 'CalculationDate'.	YYYY-MM-DD, e.g. 2025-02-24

Services:

Service	Description
GetMunicipalAdultSchoolEconomy	Fetch economy information for adult municipal school for the given input.
GetAdultSchoolForLearningDisabilitiesEconomy	Fetch economy information for adult school for learning disabilities for the given input.
GetSwedishForImmigrantsSchoolEconomy	Fetch economy information for immigrants for the given input.
GetHigherVocationalEducationEconomy	Fetch economy information for higher vocational education for the given input.

Return status and explanation:

HTTP Status Code	Description	Returned text
200	Request succeeded.	The economyinformation xml
403	This feature is not permitted.	Not licensed to use current method

HTTP Status Code	Description	Returned text
403	LicenseKey is missing or wrong.	HTTP Error 403 - Forbidden
400	Search date is missing or in wrong format.	Either start and end date or calculation date is required.
500	Major fail.	<Error message>

4.2 Get Preschool Economy

This service fetch economy information with either a calculation month or an integration month. If calculation month is used, the data fetched will have a calculation month that matches the specified calculation month. If integration month is used, the data fetched will have an integration timestamp which is in the month of the specified integration month. If both calculation month and integration month are specified, the data will have to match both criteria.

Query parameter:

Name	Description	Format
calculationMonth	Get economy information for the calculation month given.	YYYYMM, e.g. 202502
integrationMonth	Get economy information for the integration month given.	YYYYMM, e.g. 202502

Services:

Service	Description
GetPreSchoolEconomy	Fetch economy information for the given calculation and/or integration month.

Return status and explanation:

HTTP Status Code	Description	Returned text
200	Request succeeded.	The economyinformation xml
403	This feature is not permitted.	Not licensed to use current method
403	LicenseKey is missing or wrong.	HTTP Error 403 - Forbidden
400	Calculation month is missing from query.	Calculation month is required
500	Major fail.	<Error message>

4.3 Get Compulsory School Economy

This service fetch economy information with either a calculation month or an integration month. If calculation month is used, the data fetched will have a calculation month that matches the specified calculation month. If integration month is used, the data fetched will have an integration timestamp which is in the month of the specified integration month. If both calculation month and integration month are specified, the data will have to match both criteria.

Query parameter:

Name	Description	Format
calculationMonth	Get economy information for the calculation month given.	YYYYMM, e.g. 202502
integrationMonth	Get economy information for the integration month given.	YYYYMM, e.g. 202502

Services:

Service	Description
GetCompulsorySchoolEconomy	Fetch economy information for compulsory school for the given calculation and/or integration month.
GetCompulsorySchoolForLearningDisabilitiesEconomy	Fetch economy information for compulsory school for learning disabilities for the given calculation and/or integration month.
GetPreSchoolClassEconomy	Fetch economy information for preschool class for the given calculation and/or integration month.

Return status and explanation:

HTTP Status Code	Description	Returned text
200	Request succeeded.	The economyinformation xml
403	This feature is not permitted.	Not licensed to use current method
403	LicenseKey is missing or wrong.	HTTP Error 403 - Forbidden
400	Calculation month is missing from query.	Calculation month is required
500	Major fail.	<Error message>

4.4 Get Upper Secondary School Economy

These services fetch economy information with either a start date and an end date or a calculation date for the corresponding upper secondary school type. If start date and end date are used, the data fetched will have a start date on or after the given start date and an end date before or on the given end date. If calculation date is used, the data fetched will have a calculation date that matches the given calculation date.

Query parameter:

Name	Description	Format
StartDate	Get economy information with a start date of 'StartDate' or later.	YYYY-MM-DD, e.g. 2025-02-24
EndDate	Get economy information with an end date of 'EndDate' or earlier.	YYYY-MM-DD, e.g. 2025-02-24
CalculationDate	Get economy information with a calculation date of 'CalculationDate'.	YYYY-MM-DD, e.g. 2025-02-24

Services:

Service	Description
GetUpperSecondarySchoolEconomy	Fetch economy information for upper secondary school for the given input.
GetUpperSecondarySchoolForLearningDisabilitiesEconomy	Fetch economy information for upper secondary school for learning disabilities for the given input.

Return status and explanation:

HTTP Status Code	Description	Returned text
200	Request succeeded.	The economyinformation xml
403	This feature is not permitted.	Not licensed to use current method
403	LicenseKey is missing or wrong.	HTTP Error 403 - Forbidden
400	Search date is missing or in wrong format.	Either start and end date or calculation date is required.
500	Major fail.	<Error message>