

API Statistics - migrating from JSON web service to API Statistics

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When doing the migration, the following need to be taken into consideration:

- There are methods and parameters that are decommissioned.
- There are differences in the JSON format.

Methods, parameters and elements changes in API Statistics

The table below lists the methods, parameters and elements that are removed in API Statistics:

target	method	
filterNonGeo	method	
getRegionalCategorization	method	The "geo_categorical" parameter is used for the UNICODE which won't be supported anymore.
getCountryLabel	method	The "country_label" parameter is used for the UNICODE which won't be supported anymore.
callBack	method	callBack is replaced by CORS.
precision	parameter	The "precision" parameter is used for the UNICODE which won't be supported anymore.
shortLabel	parameter	
groupedIndicators	parameter	
unitLabel	parameter	
HREF	Response JSON-stat element	Not used.

The methods and parameters that will be carried on to the API Statistics are:

- lastTimePeriod
- sinceTimePeriod
- untilTimePeriod
- geoLevel, can be multiple and available values are:
 - aggregate: European aggregates based on a white list - EU15, EU25, EU27_2007, EU27_2019, EU28, EA19, etc.
 - country: any country code (EU Member States, or EFTA, or Candidate Countries or other countries) - any 2 digits - i.e. FR
 - nuts1: NUTS code level 1 - any 3 digits - i.e. FR4 (see [this page](#) for more information about NUTS classification)
 - nuts2: NUTS code level 2 - any 4 digits - i.e. FR41 (see [this page](#) for more information about NUTS classification)
 - nuts3: NUTS code level 3 - any 5 digits - i.e. FR413 (see [this page](#) for more information about NUTS classification)
 - city: code at city level - any 7 digits - i.e. DE_DEL1 (Karlsruhe)

Differences between JSON web service and API Statistics

Differences in TIME_PERIOD values

Difference type	JSON web service		API Statistics		
Change in data Time period code	Pattern	Example	Pattern	Example	Comment
5 years	YYYY	2019	YYYY	2019	The indicated year is the last one of the 5 years period.
Year	YYYY	2019	YYYY	2019	
Semester	YYYYSN	2015S1	YYYY-SN	2015-S1	
Quarter	YYYYQN	2015Q4	YYYY-QN	2015-Q4	
Month	YYYYMNN	2015M02	YYYY-MM	2015-02	
Week	YYYYWNN	2020W28	YYYY-WNN	2020-W28	

Day	YYYYMNNDDN	2019M06D13	YYYY-MM-DD	2015-12-31	
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Differences in fields

- The field order:

JSON web service	API Statistics
1.version	1.version
2.label	2.class
3.href	3.label
4.source	4.source
5.updated	5.updated
6.status	6.value
7.extension	7.status
8.class	8.id
9.value	9.size
10.dimension	10.dimension
11.id	11.extension
12.size	

- "source" property value:

JSON web service	API Statistics
Eurostat	ESTAT

- "updated" property format:

JSON web service	API Statistics
YYYY-MM-DD	yyyy-MM-ddTHH:mm:ssZ

- "extension" field:

JSON web service	API Statistics
"datasetId" property name	"id" property name
"description" property is present	"description" property is not present
"subTitle" property is present	"subTitle" property is moved into the section "annotation" – see below.

"annotation" is not present	"annotation" is present and it contains the following extra fields: DISSEMINATION_OBJECT_TYPE OBS_COUNT OBS_PERIOD_OVERALL_OLDEST OBS_PERIOD_OVERALL_LATEST UPDATE_STRUCTURE UPDATE_DATA SUBTITLE SOURCE_INSTITUTIONS DISSEMINATION_PRESENTATIONS
Combinations of flags are not present	Combinations of flags are present

- "dimension" field:

JSON web service	API Statistics
"freq" dimension is not present	"freq" dimension is present
"label" property contains the dimension code	"label" property contains the dimension title

- "id" field:

JSON web service	API Statistics
"freq" is not present	"freq" is present

- "size" field:

JSON web service	API Statistics
"size" field does not include the "freq" dimension	"size" field includes the "freq" dimension