DHIS2 WEB API

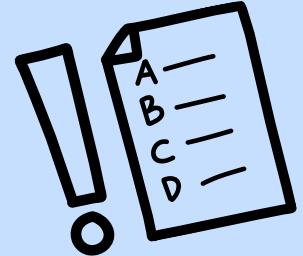A quick way to explore your metadata and data from your browser

Getting Started

Go to your instance and add "/api/resources":
play.dhis2.org/dev/api/resources

Search for a resource and click on the link:
play.dhis2.org/dev/api/dataSets

To get detailed info, copy the id of the element and add it after the resource URL:
play.dhis2.org/dev/api/dataElements/uF1DLnZNlWe

Also find an object based on its ID through the identifiableObjects resource:
play.dhis2.org/dev/api/identifiableObjects/<id>

Retrieve aggregated data

The analytics resource lets you query data aggregated along all available data dimensions. For instance, you can ask aggregated data values for a set of data elements, periods and org units.

As an example, to query for certain data elements filtered by the periods and organisation units you can use:
/api/analytics?dimension=dx:fbfJHSPpUQD;cYeuwXTCPkU&filter=pe:2014Q1;2014Q2&filter=ou:O6uvpzGd5pu;lc3eMKXaEfw

This example will return only records where the data value is between 6500 and 33000:
/api/analytics?dimension=dx:fbfJHSPpUQD;cYeuwXTCPkU&dimension=pe:2014&dimension=ou:O6uvpzGd5pu;lc3eMKXaEfw&measureCriteria=GT:6500;LT:33000

Filter and customize info

Use the name of the field to only display that info for every object, for instance "?fields=name":
/api/dataElements?fields=name

To filter info, add "?filter=resource:operator". As an example, to filter all elements with name property MyDataElement: /api/dataElements?filter=name:eq:MyDataElement

Or to get all elements which have a dataset with id ID1: /api/dataElements?filter=dataSetElements.dataSet.id:eq:ID1

Most used operators

eq - field equals value
gt - field is greater than value
lt - field is less than value
in:[value1,value2,...] - field is a collection & value is an item contained
like - field contains <value> or matches pattern

Resources

/api/users
/api/userRoles
/api/organisationUnits
/api/dataSets
/api/programs
/api/indicators
/api/programRules
/api/dataElements
/api/categories
/api/categoryCombos

Download the metadata

Add ".csv" after the URL to download the file and add "?paging=false" to display all elements:
/api/users.csv?paging=false

To save as a json file write this and the click on "save":
/api/dataElements.json?paging=false

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