

How to get the Dataflow List

Query Interface:

1. Drill down to Home->Dataflow List Query->Get Dataflow List node of the navigation tree on the left. A pre-prepared sample SDMX query message will be loaded in the textbox of the Query Interface.
2. Click on the *Download SDMX* button.

SOAP Web Service:

1. Construct an SDMX query to retrieve a Dataflow list. For a sample query, see “How to get the Dataflow List” using the Query Interface as describe above.
2. Call the GetDataFlow web method using the query message as a parameter. How to get the Data Structure Definition (DSD)

How to get the Data Structure Definition (DSD)

Query Interface:

1. Drill down to Home->Structure->Data Structure Definition (DSD) of the navigation tree.
2. A sample query is provided. If necessary, edit the query and specify a Dataflow code enumerated on the Dataflow List. To get the Dataflow List, see “How to get the Dataflow List” in this guide.
3. Click on the *Download SDMX* button

SOAP Web Service:

1. Prepare a DSD query message. For a sample DSD query message, see “How to Get the DSD” using the Query Interface as described above.
2. Edit the query and specify a Dataflow code enumerated on the Dataflow List. To get the Dataflow List, see “How to get the Dataflow List” in this guide.
3. Call the GetDataStructureDefinition web method using the query message as a parameter.

RESTful Web Service:

1. Specify the dataflow code of the DSD that you want to retrieve. To get a list of Dataflow codes, see “How to get the Dataflow List” in this guide:

<http://sdmxws.imf.org/RestSDMX2/sdmx.ashx/GetKeyFamily/{DatasetCode}/IMF/?resolveRef=true>

For example, to download PGI DSD,

use <http://sdmxws.imf.org/RestSDMX2/sdmx.ashx/GetKeyFamily/PGI/IMF/?resolveRef=true>.

To get the schema file of the DSD, use <http://sdmxws.imf.org/RestSDMX2/sdmx.ashx/GetSchema/PGI>

How to get Observations (in Generic or Compact Format):

Query Interface:

1. Drill down to Home-Data Query- Generic Data (or Compact Data) node of the navigation tree on the left.
2. A sample query is provided. Revise the SDMX query if necessary to get the observation values of a Dataflow. The Dimensions and their values to be used in the query are listed in

the DSD.

3. Click on the *Download SDMX* button

SOAP Web Service:

1. Construct an SDMX query message to get Observation values. For a sample of a valid SDMX query, see “How to Get Observations” using Query Interface in this guide.
2. To get a Generic format, call GetGenericData web method using the SDMX query as a parameter. To get a Compact format, call GetGenericData web method using the SDMX query message as a parameter.

RESTful Web Service:

1. Prepare this web service URL

<http://sdmxws.imf.org/RestSDMX/sdmx.ashx/GetData>

with the following querystring parameters:

- a. Dataflow - the Dataset code. Example dataflow=PGI.
- b. Key – Dimension values. Dimensions are separated by a “.” (dot). To concatenate multiple values of the same, use “+” (plus sign). The order of the Dimension should follow the same order of the dimensions in the KeyFamily section of the DSD. Example: key=US+JP+CN+GB+CA+FR.PCPI.IFS.PCOCY.A
- c. To extract all the values within a dimension, do not input any specific code (leave the dimension value blank). Example: key=US+JP+CN+GB+CA+FR..IFS.PCOCY.A for all the economic indicators or .PCPI.IFS.PCOCY.A for all the countries and the economic concept of PCPI.
- d. startTime and endTime = the Time Period. Example: startTime=2005; endTime=2011
- e. format= the SDMX format, whether in Generic or Compact format; and version. Example: format=generic_v2 or format=compact_v2 .

Sample complete Web Service URL: :

http://sdmxws.imf.org/RestSDMX2/sdmx.ashx/GetData?dataflow=PGI&key=US+JP+CN+GB+CA+FR.PCPI.IFS.PCOCY.A&startTime=1980&endTime=2013&format=compact_v2

How to get Metadata Structure Definition (MSD)

Query Interface:

1. Drill down to Home-Metadata Query- Metadata Structure Definition (MSD) node of the navigation tree on the left.
2. A sample query is provided. If necessary, edit and specify a Dataset code that is enumerated on the Dataset List. To get the Dataset List, please see How to get Dataset List in this guide.
3. Click *Download SDMX* button

Web Service:

1. Construct an SDMX query to retrieve an MSD. For a sample SDMX query, please see How to get Metadata Structure Definition using Query Interface in this guide.
2. Call GetMetadataStructure web method using the query as a parameter.

How to get Metadata attached to any level

Query Interface:

1. Drill down to Home-Metadata Query- Generic Metadata node of the navigation tree on the left. Select by clicking on the level (Dataset, Dimension, Dimension Member, Coordinates) you want to query.
2. A sample query is provided. If necessary, edit the query to get a specific metadata attachment that you want. For a list of codes and values, please download the MSD. To get the MSD, see “How to get the MSD” in this guide.
3. Click on the *Download SDMX* button

Web Service:

1. Construct an SDMX query to retrieve a Metadata. For a sample SDMX query, please see “How to get Metadata attached to any level” in this guide.
2. Call GetReferenceMetadata web method using the query as a parameter.

This version of SDMX web service is in compliance with SDMX standard 2.0