

Dataflow Object

Overview

In the IDX API used by IdentitySync, a **dataflow** object defines the complete flow of extracting, transforming, and transmitting data between Gigya and a partner platform in a specific direction.

A dataflow object contains an array of steps. Each step but the last executes a script from the [Component Repository](#), then calls the next step. The last step executes the final script - usually writing the data to the destination platform.

Use the [idx.createDataflow](#) method to create a dataflow and save it in the system. After a dataflow has been created, you can execute it using [idx.createScheduling](#).

For an introduction to IdentitySync, read the [IdentitySync guide](#).

Methods

- [idx.createDataflow](#)
- [idx.deleteDataflow](#)
- [idx.getDataflow](#)
- [idx.setDataflow](#)

Fields

Field	Type	Description
id	string	An automatically generated unique ID.
name	string	The title of the dataflow.
description	string	The description of the dataflow.
steps	Array	An array of step objects. Each step includes the following fields: <ul style="list-style-type: none">• id: the unique identifier of the step within a given dataflow. Each step has to have an ID so it can be called by other steps in the "next" attribute.• type: the ID of the ETL script used in this step (see Script Repository).• params (optional): an object defining parameters to use when calling the ETL script. The names of the parameters, their values, and whether they are required depends on the implementation.• next: an array containing one or more IDs of the next step(s) to be carried out.<ul style="list-style-type: none">• A step to which no other step refers in the next attribute is automatically considered the entry point of the dataflow.• Steps which do not have a next attribute are automatically considered end-points of the dataflow.• Assign multiple values to a next attribute to split the dataflow. See example.
lastRuntime		Automatically updated: the date and time of the last time the dataflow was executed.

Example

For an example of a dataflow, see [Dataflow Example](#) and [Dataflow Templates](#).