

Data in a Minute

Where data management concepts are explained in under a minute



Extraction
Adapter

Data extraction adapter Or 'Data object'

What is a data extraction adapter/ 'Data object'?

An extraction adapter (commonly referred to as a 'data object' in the smart data platform), is the single enabler for all data extraction processes. A 'data object' comes pre-defined with extraction logic, enhanced with filters & conditions, and automates the extraction process.

A 'data object' is also one half of a 'data flow' - the other half being a 'loader'. Data extraction requires a careful analysis of the Various applications involved, a consolidation strategy, closely involves business participation, and should be preceded or succeeded by some basic profiling efforts. A 'data object' provides businesses with a low-code approach to automate extracts.

Extracted data is ideally moved into a staging area, which serves as the input to data quality activities such as cleansing, standardization and validation.



The smart data platform's template library consists of over 2000 pre-configured templates (for extraction, loading & data quality), and provides organizations with an 80% baseline for migrations & integrations. The templates support a little over 200 applications..

DataZap's Data Object

A 'data object' is fully configurable - meaning any changes to rules, logic or filters can be achieved through a low-code approach. Some of the configurable features of a 'data object' include:

- Data extraction logic from one or more sources (more than 200 endpoints supported)
- Use data profiling results to intelligently strategize extraction efforts
- Data filters to refine data during extraction
- Ability to select the required columns for a specific data element, which need to be extracted
- Add if, then, else conditions for extract
- Ability to extract data from custom columns/custom attributes

Here's a look at dataZap's 'data object' configuration dashboard. All the elements on the left (numbered 1 through 9) come pre-defined, with the ability to 'configure' changes:

The screenshot displays the 'Data Object Definition' configuration dashboard in the dataZap application. The interface is divided into a sidebar on the left and a main configuration area on the right. The sidebar contains a list of numbered steps: 1. Data Object, 2. Source Definition, 3. Columns, 4. Reference, 5. Composite References, 6. Custom Columns, 7. Preprocessor, 8. Successors, and 9. View Data. The main configuration area is titled 'Data Object Definition' and is divided into two sections: 'General Information' and 'Object Configuration'. The 'General Information' section includes fields for Name, Alias Name, Versioning Name, Sprint Name, Connection, and Source Object Type. The 'Object Configuration' section includes fields for Stage Data, Data Sync Mode, Full Refresh, Full Refresh - Data Storage Mode, and Truncate Characters Exceeding Column Length. The interface is clean and modern, with a blue header and a white background.



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