

Data in a Minute

Where data management concepts are explained in under a minute



Data loading
Adapter or 'Loader'

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What is a data loading adapter/ 'Loader'?

A loading adapter (commonly referred to as a 'loader' in the smart data platform), is the driver for all data loading activities required during a migration or integration. A 'loader' comes pre-defined with loading logic, mapping information, transformation rules & pre-validation checkpoints to ensure the data that gets in is clean & compatible.

A 'loader', combined with a 'data object' (which automates extractions) forms a 'data flow', which is the building block for all migration & integration efforts in the smart data platform.



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.

Data loading Adapter or 'Loader'

Loading Adapter DataZap's 'Loader'

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.

A 'loader' is fully configurable - meaning any changes to pre-validation, transformation or mapping rules can be achieved through a low-code approach.

Comes pre-configured with the following logic:

- Data loading for more than 200 supported endpoints
- Transformation rules according to target specification
- Pre-validations to ensure error identification & correction
- Pre-load reconciliation rules
- Data cleansing
- Post-load reconciliation rules
- Cross references for discrete data elements
- Post processing
- Governance & approvals

Here's a look at dataZap's 'loader' configuration dashboard. All the elements on the left (numbered 5 through 14) come pre-defined, with the ability to 'configure' changes:

The screenshot displays the 'Loader' configuration dashboard. On the left, a sidebar lists 10 numbered steps: 5 Pre-Processor, 6 Transformation, 7 Prevalidation, 8 Pre-Load Reconciliation, 9 Data Cleansing, 10 Post-Load Reconciliation, 11 Cross Reference Mapping, 12 Post Processor, 13 Custom Entity, and 14 Approval. The main configuration area is titled 'Loader Information' and includes the following sections:

- Loader Information:** Fields for Connection Name (FIS_LOCK3_ZNDR_FUSION), Template Name (SETUP_AP_013_MANAGE_SYSTEM_SECURITY_OPTIONS_IMP3), Description (Enter Description), Spirit Name (FIS_UCF3_ZNDR), Template Type (HTML_DataLoader), Name (SETUP_AP_013_MANAGE_SYSTEM_SECURITY_OPTIONS_LODR), and Active status (Yes/No).
- Execution Options:** Checkboxes for 'Enable Simultaneous Execution' (checked), 'Enable Raw Data Profiling' (unchecked), 'Execute Pre-validations' (Always/None/On demand), and 'Enable Pre-validations to run serially (Dataset wise)' (unchecked).
- User Confirmation:** Checkboxes for 'Stop at pre validation' (unchecked), 'Stop at staging' (unchecked), and 'Stage Data' (Yes/No).
- Versioning Information:** Field for Versioning Name (SETUP_AP_013_MANAGE_SYSTEM_SECURITY_OPTIONS_LODR).



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