Data Import Mapper & Validator

Map any CSV/Excel column to any model field, validate, dry-run and get an error report

User Guide · Odoo 18 / 19 Community
Category: Data Quality & Migration
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This guide documents only features implemented in the module. Menu paths, field names and button labels match the application exactly.

1. Overview

Data Import Mapper & Validator turns messy CSV and Excel files into clean Odoo records. You define a reusable template that maps each source column to a target field, attach validation rules, then dry-run the file to catch problems before anything is written.

Native Odoo import is basic and often fails silently on bad rows. This module gives a per-row error report, create-or-update by a match field, and a downloadable list of failures so you can fix the source and re-run.

Who it is for

- Consultants and admins migrating data into Odoo.
- Teams importing recurring files (price lists, contacts, products).
- Anyone who needs validation and an error report before committing an import.

Key capabilities at a glance

- Import templates — Reusable model + file settings (type, delimiter, encoding, header, mode).
- Column detection — Reads the sample file headers so you map against real columns.
- Field mapping — Per-column target field, skip flag, default value and relation search field.
- Validation rules — Eleven rule types from Required and email to regex, ranges and unique-in-file.
- Dry-run — Validates every row and reports totals without creating records.
- Error report — Per-row errors with a downloadable report and create/update counters.

2. Installation

Install from the Odoo Apps menu with Administrator access; dependencies are pulled in automatically.

1. Open Apps from the main Odoo menu.
2. Click Update Apps List to refresh the catalogue.
3. Search for “Data Import Mapper”.
4. Click Install on the matching card.
5. The Import Mapper menu appears once installation finishes.

Technical name	gb_datimport_mapper_validator
Depends on	base
Odoo versions	18.0 and 19.0
Licence	LGPL-3

3. Configuration

Work is organised around Templates (the mapping + rules) and Runs (each file you process). Both are under the Import Mapper menu.

Create an import template

- Under Import Mapper ▸ Templates, create a template and pick the target model.
- Set file type (CSV or Excel/xlsx), delimiter (Comma/Semicolon/Tab/Pipe), encoding and whether the file has a header.
- Choose import mode: Create only, or Create or update (by match field).

Map columns

- Upload a sample file and click Detect Columns to read its headers.
- Add mapping rows linking each source column to a target field; mark columns to skip and set default values.
- For relational fields, set the relation search field used to find the linked record.

Add validation rules

- Validation rule types include Required, numeric, integer, valid email, regex, min/max length, min/max value, value-in-set and unique-within-file.
- Each rule has a parameter and a custom error message shown on failing rows.

4. Step-by-Step Usage

Always dry-run first: it validates every row and reports errors without creating records.

Dry-run a file

1. Open the template, attach the real file and click Dry-Run.
2. A run is created with total/valid/error row counts and a summary.
3. Open View Errors to inspect each failing row with its error detail.

Fix and import

1. Correct the source file based on the error report, or download the error report to share with the data owner.
2. Re-run the dry-run until the error count is zero (or acceptable).
3. Click Import (or Promote to Import from the run) to write records — created and updated counts are recorded.

Review run history

1. Each template keeps its Runs with state Draft / Completed / Failed.
2. Run lines record per-row state (Valid/Imported/Error) and action (Created/Updated).
3. Use the run to download the error report for any pass.

5. Feature Reference

Each row corresponds to a real menu, model or wizard in the module.

Import templates	Reusable model + file settings (type, delimiter, encoding, header, mode).
Column detection	Reads the sample file headers so you map against real columns.
Field mapping	Per-column target field, skip flag, default value and relation search field.
Validation rules	Eleven rule types from Required and email to regex, ranges and unique-in-file.
Dry-run	Validates every row and reports totals without creating records.
Error report	Per-row errors with a downloadable report and create/update counters.

6. Tips, Troubleshooting & FAQ

Q. Does a dry-run change my data?
A. No. Dry-run only validates and counts rows. Records are written only when you run Import / Promote to Import.

Q. Can I update existing records instead of duplicating them?
A. Yes. Choose 'Create or update (by match field)' and set the match field; rows matching an existing record are updated.

Q. Which file formats are supported?
A. CSV (with comma, semicolon, tab or pipe delimiters) and Excel .xlsx.

Q. How do I import a linked field like a partner or product?
A. Map the column and set the relation search field (for example, name or reference) so the importer can find the record.

Q. Where can I see exactly which rows failed?
A. Open the run and View Errors, or download the error report; each line shows the row number and the error detail.

Q. Can I reuse a mapping for a monthly file?
A. Yes — that is the point of templates. Save the template once and start a new run each month.

7. Support

We are happy to help with installation, configuration and usage questions.

Email	support@pokutsoft.com
Apps & catalogue	https://pokutsoft.com
Module	Data Import Mapper & Validator (v18.0 / v19.0)

When contacting support, please include your Odoo version, the module version and a short description of the steps that led to the issue.