



**SOFTWARESILOS**

# **DATEV Export Pro Extension**

PDF Manual

MODULE

**datev**

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# Column Mapping

DATEV Export Pro Extension · /datev/features/column-mapping

The module generates DATEV CSV/EXTF exports from a JSON mapping:

- JSON keys = DATEV column headers (as they appear in the export file)
- JSON values = expressions evaluated against the current invoice / credit memo

## Overview

If you need to format values (dates, conditionals, functions), see: [Mapping Language](#).

## Configuration Location

Navigate to **Stores > Configuration > MageB2B > DATEV Export Pro > Column Mapping Configuration**

Placeholder for a screenshot of the Column Mapping Configuration (Invoice / Credit Memo) interface.

## JSON Structure (CSV / EXTF)

```
{
  "DATEV Column Header": "expression"
}
```

## Example: Minimal Invoice Mapping

```
{
  "Umsatz (ohne Soll/Haben-Kz)": "invoice.grand_total",
  "Soll/Haben-Kennzeichen": "'S'",
  "Konto": "invoice.order.customer.customer_debitor",
  "Gegenkonto (ohne BU-Schlüssel)": "function:getRevenueAccount",
  "Belegdatum": "invoice.created_at",
  "Belegfeld 1": "invoice.increment_id",
  "Buchungstext": "invoice.order.customer_firstname + ' ' +
invoice.order.customer_lastname"
}
```

## Common Expression Patterns

- Variable paths: `invoice.increment_id`, `invoice.order.billing_address.postcode`
- String literals: `' '`, `'EUR'`, `'S'`
- Concatenation: `invoice.order.customer_firstname + ' ' + invoice.order.customer_lastname`
- Templates: `{{invoice.increment_id}}` or `Invoice {{invoice.increment_id}}`
- Function calls: `function:getRevenueAccount`, `function:getTaxRate`

- Conditionals: `invoice.grand_total > 0 ? 'S' : 'H'`
- Built-ins: `upper(...)`, `trim(...)`, `replace(...)`, `number_format(...)`, etc.

## Validation

### Validate Mapping

Use **Validate Mapping** in the config UI:

- Checks JSON format
- Verifies that referenced `function:*` calls exist

If validation fails, exports will fail with a mapping error.

### Default Values For Missing Data

Configure defaults in:

- **Variable Default Values → Default Values for NULL Variables (CSV)**

```
{
  "invoice.order.customer_firstname": "Guest",
  "invoice.order.customer_lastname": "Customer",
  "invoice.order.billing_address.postcode": "00000"
}
```

### Important CSV Formatting Rules

The generator applies special formatting to keep exports DATEV-compatible:

- Amounts are formatted with decimal comma (e.g. 1234,56).
- Dates are normalized when the column header contains **Datum**.
- Two columns are handled explicitly:
  - **Umsatz (ohne Soll/Haben-Kz)** is always taken from the document grand total and formatted as amount.
  - **Belegdatum** is formatted from the document creation date.

## Separate Mappings

### Invoice Mapping

Configure mapping for invoices in **Invoice Column Mapping** field.

### Credit Memo Mapping

Configure mapping for credit memos in **Credit Memo Column Mapping** field.

**Why separate?** Credit memos often require different mappings (e.g., negative amounts, different account numbers).

## Best Practices

- Export a small date range first and validate the output in DATEV
- Keep mappings in version control (copy the JSON into your project docs)
- Prefer `function:*` calls for logic that depends on country / VAT rules

## Troubleshooting

### Export Fails with Mapping Error

#### Check:

- JSON syntax is valid
- All required DATEV columns are present for your DATEV import workflow
- `function:*` calls exist (use Validate Mapping)

### Missing Data in Export

#### Check:

- Variable path exists for the current document
- Default values are configured
- Mapping includes the field

### Wrong Data Format

#### Check:

- Date columns contain valid date strings (the exporter formats them automatically)
- Amount columns are numeric (the exporter formats them automatically)

## Related Features

- [Manual Export](#) - Perform exports with your mappings
- [Automated Exports](#) - Schedule automatic exports
- [Mapping Language](#) - Full reference (functions, conditionals, built-ins)
- [XML Export](#) - XML mapping configuration