



SOFTWARESILOS

DATEV Export Pro Extension

PDF Manual

MODULE

datev

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DATEV Export Pro Extension

DATEV Export Pro Extension · /datev

Overview

The **MageB2B DATEV Export Pro** module exports Magento 2 **invoices** and **credit memos** in **DATEV-compatible formats** and provides a powerful mapping language so you can adapt exports to your accounting requirements.

Key Features

Exports

- **CSV / EXT (DATEV ASCII)** export with semicolon separator and Windows-1252 encoding
- **XML (DATEV Online)** export with archive + per-document XML files
- Optional: **PDF documents** and **customer master data** inside ZIP exports

Mapping & Validation

- JSON-based mappings for **invoices**, **credit memos**, **XML**, and **master data**
- Integrated **Validate Mapping** and **Mapping Help / Quick Reference** in the Magento admin
- Built-in mapping functions (including `function:getRevenueAccount` and `function:getTaxRate`)

Automation

- Cron-based automatic exports with configurable **date range patterns** and **formats**
- CLI export command: `bin/magento datev:export`

Where To Find It In Magento

- **Manual Export (Admin):** Sales > DATEV > DATEV Export
- **OSS Export (Admin):** Sales > DATEV > DATEV OSS Export
- **Configuration:** Stores > Configuration > MageB2B > DATEV Export Pro

Screenshot placeholder: Sales > DATEV > DATEV Export export form.

Quick Start

1. Install: [Installation Guide](#)
2. Configure: [Configuration](#)
3. Adapt exports: [Column Mapping](#) and [Mapping Language](#)
4. Run exports: [Manual Export](#) / [Automated Exports](#)

Output Files (Default)

Exports are written under Magento's `var/` directory:

- `var/export/datev/EXTF_Datev_*.csv` (CSV / EXTF)
- `var/export/datev/DATEV_XML_*.xml` (XML archive)
- `var/export/datev/invoice_<increment_id>.xml / creditmemo_<increment_id>.xml` (XML document files)
- `var/export/datev/pdfs/*.pdf` (optional PDFs)
- `var/export/datev/*.zip` (ZIP exports)

Note: Some configuration fields (e.g. “Export Path”, “XML Encoding”) may exist in the UI but are not applied by the current exporter implementation. The paths above reflect the actual output.

Related Topics

- [OSS Export](#)
- [XML Export](#)
- [Master Data Export](#)
- [Function Providers](#)

If you run into issues, start with: [Troubleshooting](#).

Installation

DATEV Export Pro Extension · /datev/getting-started/installation

This guide will walk you through installing the DATEV Export Pro extension for Magento 2.

Prerequisites

Before installing, ensure your system meets these requirements:

- Magento 2.4.0 or higher
- PHP 8.1 or higher
- Composer installed
- SSH access to your server
- Backup of your Magento installation

Installation Steps

1. Add Repository Access

Contact your account manager to receive Composer repository credentials.

Add the repository to your `auth.json`:

```
composer config bearer.repo.softwaresilo.io <token>
composer config repositories.softwaresilo composer
https://repo.softwaresilo.io/
```

2. Require the Package

Install the extension via Composer:

```
composer config bearer.repo.softwaresilo.io <token>
composer config repositories.softwaresilo composer
https://repo.softwaresilo.io/
composer require mageb2b/datev:*
```

3. Enable the Module

Enable the DATEV module:

```
php bin/magento module:enable MageB2B_Datev
```

4. Run Setup Upgrade

Run Magento setup upgrade to install database schema:

```
php bin/magento setup:upgrade
```

5. Compile Code

Compile dependency injection configuration:

```
php bin/magento setup:di:compile
```

6. Deploy Static Content

Deploy static content for your store:

```
php bin/magento setup:static-content:deploy
```

7. Clear Cache

Clear Magento cache:

```
php bin/magento cache:flush
```

Verify Installation

Check if the module is installed and enabled:

```
php bin/magento module:status MageB2B_Datev
```

You should see the module listed under "List of enabled modules".

Access Configuration

Navigate to **Stores > Configuration > MageB2B > DATEV Export Pro** to configure the extension.

Troubleshooting

Module Not Found

If Composer cannot find the module:

- Verify your repository credentials
- Check your `composer.json` for the correct repository URL
- Run `composer clear-cache`

Permission Errors

If you encounter permission errors:

```
chmod -R 755 var/ pub/static/ generated/
```

Database Errors

If setup:upgrade fails:

- Check database credentials in `app/etc/env.php`
- Ensure database user has CREATE/ALTER permissions
- Check MySQL/MariaDB error logs

Next Steps

After successful installation, proceed to [Configuration](#) to set up your DATEV export settings.

Configuration

DATEV Export Pro Extension · /datev/getting-started/configuration

This page describes the configuration options provided by the module and how they affect exports.

Access Configuration

Navigate to: **Stores > Configuration > MageB2B > DATEV Export Pro**

Screenshot placeholder: Stores > Configuration > MageB2B > DATEV Export Pro.

General DATEV Settings

Consultant Number

Your DATEV consultant number (Beraternummer). This identifies your tax consultant in the DATEV system.

Example: 12345

Client Number

Your DATEV client number (Mandantenummer). This identifies your company in the DATEV system.

Example: 67890

Accounting Year

The current accounting year for exports.

Example: 2025

Chart of Accounts

Select the chart of accounts used in the EXTF header (e.g. 03, 04).

Account Number Length

Select the length of account numbers:

- 4 digits
- 5 digits
- 6 digits
- 8 digits

DATEV Interface Version

Select the DATEV interface version:

- **510** - October 2015 (Standard)
- **700** - October 2018 (Newer format)

Revenue Account Mapping

Map **location types** to revenue accounts and tax rates. The module determines the location type from the order's shipping/billing country:

- `domestic`: DE
- `eu`: EU countries (via Magento VAT helper)
- `third_country`: everything else

Adding Mappings

1. Click **Add Row**
2. Select **Location Type** (Domestic, EU, Third Countries)
3. Enter **Account Number**
4. Select **Tax Rate** (from Magento tax rates)
5. Save config

Example Mappings

Location Type	Account Number	Tax Rate
Domestic	8400	19
EU	8336	19
Third Countries	8338	0

These values are used by function calls like `function:getRevenueAccount` and `function:getTaxRate` in your mappings.

Export Settings

Invoice States to Export

Select which invoice states should be included in exports:

- Pending (open)
- Paid
- Canceled

Credit Memo States to Export

Select which credit memo states should be included in exports.

- Open
- Refunded
- Canceled

These state filters apply to:

- Manual exports from the admin export form
- CLI exports (`bin/magento datev:export`)

- Automated exports (cron)

Column Mapping Configuration

Configure how Magento fields map to DATEV columns. See [Column Mapping](#) for detailed instructions.

XML Export Settings

Enable XML Export

Enables the XML configuration fields in the admin UI. If you export XML, the following settings are used by the XML generator.

XML Schema Version

Choose the schema/XSD version used for namespaces and validation (e.g. v040, v050, v060).

Validate XML against XSD

Enable XSD validation of generated XML files to ensure compliance.

XML Encoding

This setting exists in the configuration UI, but the current XML generator writes XML as UTF-8.

Master Data Export Settings

Enable Master Data Export

Enable export of customer master data alongside invoices/credit memos.

Address Priority

Defines which address is used for each customer in master data export (priority order).

Master Data Field Mapping

Configure how customer fields map to DATEV EXTF format (232 columns).

Automatic Export Settings

Enable Automatic Export

Enable automatic exports via cron job.

Cron Schedule

Enter cron expression for scheduling:

- `0 2 * * *` - Daily at 2 AM

- 0 2 * * 1 - Weekly on Monday at 2 AM
- 0 2 1 * * - Monthly on 1st at 2 AM

Export Invoices

Enable automatic invoice export.

Export Credit Memos

Enable automatic credit memo export.

Date Range Pattern

Select which date range to export:

- Yesterday (yesterday only)
- Last Week (Monday - Sunday) (last complete week)
- Last Month (Complete Month) (last complete month)
- Current Week (Monday - Yesterday)
- Current Month (1st - Yesterday)

Export Format

Select export format:

- CSV only
- XML only
- Both CSV and XML

Include PDF Documents

If enabled, the cron export creates ZIP files containing PDFs (and CSV/master data where applicable).

Export Master Data

Include customer master data in automatic exports.

Store Filter

Filter exports by specific store (leave empty for all stores).

Export Path

The configuration UI contains an "Export Path" field. The current exporter writes to `var/export/datev/` regardless.

Send to Tax Advisor

If enabled, cron sends generated export files to the configured tax advisor e-mail address.

Tax Advisor Email (Cron)

Optional cron-specific recipient. If empty, the module uses the e-mail from global email settings.

Email Settings (DATEV + OSS)

Use this group to control manual send actions and cron e-mail behavior.

Enable Email Export

Required for:

- Manual **Send** in Sales > DATEV > DATEV Export
- Manual **Send** in Sales > DATEV > DATEV OSS Export
- Automatic cron e-mails (Send to Tax Advisor)

Sender Identity

Defines the Magento sender identity used for export e-mails.

Tax Advisor Email

Default recipient for DATEV/OSS export e-mails. Cron can override this recipient via Tax Advisor Email (Cron).

Attach PDF Documents (DATEV only)

Controls whether DATEV e-mails include PDF documents.

Attach Master Data (DATEV only)

Controls whether DATEV e-mails include master-data attachments.

OSS Export (Admin)

The module also provides a dedicated OSS export screen in the Magento admin:

- **Sales > DATEV > DATEV OSS Export**

From this screen, you can run OSS exports with:

- Scheme (Union OSS, Non-Union OSS, IOSS)
- Period type (Quarter or Month, depending on scheme)
- Year/Quarter/Month
- Optional store filter
- Currency mode (EUR only or ECB rate at period end)

Full OSS guide:

- [OSS Export](#)

Save Configuration

After configuring all settings, click **Save Config** at the top right.

Clear Cache

After saving configuration, clear cache:

```
php bin/magento cache:flush
```

Next Steps

- [Column Mapping](#) - Configure field mappings
- [Manual Export](#) - Perform manual exports
- [Automated Exports](#) - Set up cron exports
- [Master Data Export](#) - Export customer master data (EXTF)
- [OSS Export](#) - Configure and run OSS/IOSS CSV exports

Troubleshooting

DATEV Export Pro Extension · /datev/getting-started/troubleshooting

Export Fails Immediately

Check:

- Mapping JSON is valid (use **Validate Mapping** in config)
- Required mappings exist (invoice/credit memo mappings must not be empty)
- Invoice/credit memo state filters include the documents you expect

“No invoices found” / “No credit memos found”

The exporter filters by:

- `created_at` date range (inclusive, end date is treated as 23:59:59)
- optional `store_id`
- configured export states

Try:

- expanding the date range
- temporarily enabling more states (e.g. `Paid` and `Pending`)

XML Validation Errors

If “Validate XML against XSD” is enabled, validation is executed for:

- archive XML file
- each document XML file

Try:

- switching schema version to `v060`
- temporarily disabling validation to isolate mapping issues

Mapping Produces Empty Values

Use default values:

- `Stores > Configuration > MageB2B > DATEV Export Pro > Variable Default Values`

Defaults must be keyed by the **exact variable path** you use in the mapping (e.g. `invoice.order.customer_firstname`).

Where Are The Files?

Exports are written to:

- `var/export/datev/`

CLI Export Fails

If `bin/magento datev:export` fails, verify:

- `--export_type` is `invoice` or `creditmemo`
- `--export_format` is `csv`, `xml`, or `both`
- dates use `YYYY-MM-DD`
- `from/to` range contains documents for the selected `states/store`

Automated Exports

DATEV Export Pro Extension · /datev/features/automated-exports

Schedule automatic DATEV exports via Magento cron.

Configuration

Configure under: **Stores > Configuration > MageB2B > DATEV Export Pro > Automatic Export Settings**

The cron job is registered as `datev_auto_export` and uses the cron expression configured in `Cron Schedule`.

Placeholder for a screenshot of the Automatic Export Settings group.

Schedule Examples

Schedule	Cron Expression
Daily 2AM	<code>0 2 * * *</code>
Weekly Monday	<code>0 2 * * 1</code>
Monthly 1st	<code>0 2 1 * *</code>

Export Settings

Date Range

The module supports these patterns:

- Yesterday (yesterday only)
- Last Week (Monday - Sunday) (last complete week)
- Last Month (Complete Month) (last complete month)
- Current Week (Monday - Yesterday)
- Current Month (1st - Yesterday)

What Gets Generated

Depending on the selected format and enabled toggles:

- CSV: `var/export/datev/EXTF_Datev_*.csv`
- XML: `var/export/datev/DATEV_XML_*.xml` + per-document XML files in `var/export/datev/`
- ZIP (when PDFs and/or master data are enabled): `var/export/datev/*.zip`

Note: The admin UI contains an "Export Path" field. The current exporter writes to `var/export/datev/` regardless.

Send To Tax Advisor (Cron)

Cron can send generated DATEV exports by e-mail.

Required settings:

- **Automatic Export Settings > Send to Tax Advisor** = enabled
- **Email Settings (DATEV + OSS) > Enable Email Export** = enabled
- Recipient configured in either:
 - **Automatic Export Settings > Tax Advisor Email (Cron)** (preferred for cron),
or
 - **Email Settings (DATEV + OSS) > Tax Advisor Email** (fallback)

Attachment behavior for cron e-mail:

- **Attach PDF Documents (DATEV only)** controls PDF attachment behavior
- **Attach Master Data (DATEV only)** controls master-data attachment behavior

CLI Export (Technical Reference)

You can run exports without waiting for cron:

```
bin/magento datev:export \  
--export_type=invoice \  
--export_from_date=2026-01-01 \  
--export_to_date=2026-01-31 \  
--export_format=csv
```

Supported options:

- **--export_type** (required): `invoice` or `creditmemo`
- **--export_from_date** (required): YYYY-MM-DD
- **--export_to_date** (required): YYYY-MM-DD
- **--store_id** (optional): limit to one store view
- **--export_format** (optional): `csv`, `xml`, `both` (default: `csv`)
- **--download_documents** (flag): include PDFs
- **--export_master_data** (flag): include customer master data export

Related

- [Manual Export](#)
- [Configuration](#)

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

Function Providers

DATEV Export Pro Extension · /datev/features/function-providers

Function providers extend the DATEV mapping language with reusable business logic. They are useful when a plain field mapping is not enough (for example, account decisions based on country, tax setup, or customer properties).

Built-in Functions

The module includes these functions out of the box:

- `function:getRevenueAccount`
- `function:getTaxRate`

Both functions use your configured **Revenue Account Mapping** and location logic (`domestic`, `eu`, `third_country`).

How To Use In Mappings

You can call function providers in CSV and XML mappings via the `function:` prefix.

Example:

```
{
  "Gegenkonto (ohne BU-Schlüssel)": "function:getRevenueAccount",
  "EU-Steuersatz": "function:getTaxRate"
}
```

You can combine function values with other expressions from the mapping language (templates, conditionals, concatenation, formatting functions).

Validation And Error Handling

- Use **Validate Mapping** in the admin configuration after changes.
- If a function name is unknown, mapping validation and export execution will fail.
- Keep function names stable after go-live to avoid breaking existing mappings.

Custom Function Providers

Custom providers can be added through a custom extension/integration project when project-specific DATEV logic is required.

For security and product policy reasons, this knowledge base does not publish internal implementation code. If you need a custom provider, involve your development/integration team and validate the result in a staging system before production rollout.

Manual Export

DATEV Export Pro Extension · /datev/features/manual-export

Perform on-demand DATEV exports from the Magento admin.

Accessing Export

Navigate to: **Sales > DATEV > DATEV Export**

For OSS reporting exports, use: **Sales > DATEV > DATEV OSS Export**.

Export Options

The export form supports:

- **Document Type:** Invoices or Credit Memos
- **Export Format:** CSV only, XML only, Both CSV and XML
- **From / To Date**
- **Store** (optional filter)
- **Download Documents** (include PDFs → ZIP)
- **Export Master Data** (include customer master data CSV → ZIP)

Screenshot placeholder: Export form with all options enabled.

Export Process

1. Select the options above
2. Click **Export**
3. Download the generated file (CSV/XML) or ZIP (if PDFs and/or master data are included)

Send To Tax Advisor (Manual)

On the DATEV export screen (**Sales > DATEV > DATEV Export**), you can send the generated export directly by e-mail via the **Send** action.

Prerequisites:

- **Stores > Configuration > MageB2B > DATEV Export Pro > Email Settings (DATEV + OSS) > Enable Email Export** is enabled
- **Tax Advisor Email** is configured

For OSS, the manual e-mail send flow is documented in:

- [OSS Export](#)

Export Formats

- **CSV only:** EXTF CSV export (Windows-1252, semicolon-separated)
- **XML (DATEV Online):** archive XML + per-document XML files (optional XSD validation)

- **Both CSV and XML:** includes CSV + XML exports in a ZIP

Result Files

Depending on your options, the download contains:

- A single CSV: `EXTF_Datev_*.csv`
- A single XML archive: `DATEV_XML_*.xml`
- A ZIP that may include:
 - CSV/XML export files
 - `pdfs/*.pdf` (invoice/credit memo PDFs)
 - `EXTF_DebKred_Stamm_*.csv` (customer master data export)

All files are also written to `var/export/datev/` on the Magento instance.

Related

- [Column Mapping](#)
- [Automated Exports](#)
- [XML Export](#)
- [OSS Export](#)

Mapping Language

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

The DATEV exporter evaluates mapping expressions with an enhanced processor. This page documents the supported syntax for **CSV**, **XML**, and **master data** mappings.

Context Objects

- **Invoice exports:** `invoice.*` is available (root object)
- **Credit memo exports:** `creditmemo.*` is available (root object)
- **XML exports:** `invoice.*` / `creditmemo.*` are available (root object)
- **Master data exports:** `customer.*` and `address.*` are available

Variable Paths

Use dot-notation paths to access data:

- `invoice.increment_id`
- `invoice.created_at`
- `invoice.order.increment_id`
- `invoice.order.customer_firstname`
- `invoice.order.billing_address.country_id`

The processor also supports `order.customer` by loading the customer entity via `customer_id` when needed.

String Literals

Use single quotes for constants:

- `'EUR'`
- `'S'`
- `''` (empty string)

Templates

You can wrap a path in `{{...}}` or embed multiple variables in one string:

- `{{invoice.increment_id}}`
- `Invoice {{invoice.increment_id}} (Order {{invoice.order.increment_id}})`

Concatenation

Use `+` for string concatenation:

```
invoice.order.customer_firstname + ' ' + invoice.order.customer_lastname
```

Conditionals (Ternary)

Use `? :` for conditional values:

```
invoice.grand_total > 0 ? 'S' : 'H'
```

Supported comparison operators:

- `==, !=, >, <, >=, <=`

Math Expressions

For numeric-only expressions, `+ - * / ()` are supported:

```
invoice.grand_total - invoice.tax_amount
```

Built-in Functions

These functions can be used like `functionName(arg1, arg2, ...)`:

- `upper(value) / uppercase(value)`
- `lower(value) / lowercase(value)`
- `trim(value)`
- `length(value) / strlen(value)`
- `substr(value, start, length?) / substring(...)`
- `replace(subject, search, replace)`
- `round(value, precision?), floor(value), ceil(value), abs(value)`
- `default(value, fallback) / ifempty(value, fallback)`
- `concat(a, b, c, ...)`
- `number_format(number, decimals?, decPoint?, thousandsSep?)`

Examples:

```
upper(invoice.order.customer_lastname)
default(invoice.order.customer_email, 'no-email@example.com')
number_format(invoice.grand_total, 2, ',', '')
```

Function Providers

Function providers are called with the `function:` prefix:

- `function:getRevenueAccount`
- `function:getTaxRate`

You can also pass parameters: `function:myFunction('param1', invoice.increment_id)`.

See: [Function Providers](#)

Config References

You can reference Magento config values using:

```
config:general/store_information/name
```

Defaults For Missing Values

When a variable path resolves to `null`, the processor can return a default value configured in:

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

Defaults are keyed by the variable path (e.g. `invoice.order.customer_firstname`).

Master Data Export

DATEV Export Pro Extension · /datev/features/master-data-export

The module can export customer master data in DATEV **EXTF Debitoren/Kreditoren** format and include it alongside invoice/credit memo exports.

When Is It Included?

- **Manual export:** enable **Export Master Data** in Sales > DATEV > DATEV Export
- **Automated export:** enable **Export Master Data** in Automatic Export Settings

The export is written as a CSV file and may be bundled into ZIP downloads.

Output File

The master data CSV is generated as:

- var/export/datev/EXTF_DebKred_Stamm_<timestamp>.csv

Mapping Structure

Master data mapping is a JSON object where:

- keys are **column indexes** (as strings)
- values are mapping expressions

Example:

```
{
  "0": "{{customer.entity_id + 10000}}",
  "1": "{{address.company}}",
  "3": "{{customer.lastname}}",
  "4": "{{customer.firstname}}",
  "15": "{{address.street}}",
  "17": "{{address.postcode}}",
  "18": "{{address.city}}",
  "37": "{{customer.email}}"
}
```

The context for this mapping provides:

- `customer.*` (Magento customer entity)
- `address.*` (selected address for export)

Full syntax reference: [Mapping Language](#)

Address Selection

Use **Address Export Priority** to define which address is used for each customer (priority order):

- `billing,shipping` (default)

- shipping, billing

If no default address exists, the exporter falls back to the first available address.

OSS Export

DATEV Export Pro Extension · /datev/features/oss-export

Use the OSS export to generate VAT summary CSV files for OSS/IOSS reporting periods directly from Magento admin.

Access

- **Export screen:** Sales > DATEV > DATEV OSS Export
- **Configuration:** Stores > Configuration > MageB2B > DATEV Export Pro > OSS Export Settings

Prerequisites

Before using OSS export, ensure:

- **Enable OSS Export** is set to Yes
- **Member State of Identification** is configured
- EU country list is configured in Magento (`general/country/eu_countries`)

If you use IOSS:

- **Enable IOSS** is set to Yes
- IOSS-related order attribute settings are configured

OSS Export Settings (Configuration)

Key settings in **OSS Export Settings**:

- Enable OSS Export
- Default Scheme (Union OSS, Non-Union OSS, IOSS)
- Default Period Type (Quarter, Month)
- Default Currency Mode (EUR only, ECB rate at period end)
- Member State of Identification
- B2B Detection and optional B2B tax class/customer group filters
- Optional VIES settings (VAT source, API URL, requester data, cache days)

These settings control how transactions are classified and aggregated for OSS output.

Export Form Fields

On Sales > DATEV > DATEV OSS Export, you can set:

- OSS Scheme: union, non_union, or ioss
- Period Type: quarter or month
- Year
- Quarter or Month (depending on period type)
- Store (optional)
- Currency Mode: eur or ecb

Actions: Preview, Export, Send

The OSS page provides three actions:

1. Preview Shows the calculated dataset in the admin before generating a file.
2. Export Downloads the OSS CSV file immediately.
3. Send Creates a ZIP with the CSV and sends it to the configured tax advisor e-mail.

Output Files

CSV export filename pattern:

- `oss_export_<scheme>_<period_key>_<timestamp>.csv`

CSV structure:

- Scheme
- Period
- Member State
- Tax Rate
- Net Amount
- Tax Amount
- Currency

When using **Send**, the module creates a ZIP in:

- `var/export/datev/oss/`

OSS exports are CSV-based and do not include PDF documents or master data attachments.

E-mail Sending (Tax Advisor)

The **Send** action depends on general e-mail settings in:

- Stores > Configuration > MageB2B > DATEV Export Pro > Email Settings (DATEV + OSS)

Required for successful send:

- E-mail feature enabled
- Tax advisor e-mail address configured

Common Issues

OSS export disabled

Enable OSS Export Settings > Enable OSS Export.

Missing member state / EU country setup

Set Member State of Identification and verify EU country configuration.

IOSS not available

Enable IOSS and complete IOSS attribute settings.

Send action fails

Verify e-mail settings and tax advisor e-mail address.

Empty result

Check selected period, store filter, and classification settings (B2B/VIIES/IOSS).

XML Export

DATEV Export Pro Extension · /datev/features/xml-export

Export data in DATEV XML format ("DATEV Online").

Overview

The XML exporter generates:

- One **archive XML** file (references all documents)
- One **XML file per invoice/credit memo**
- Optional XSD validation (archive + each document XML)

Configuration

Configure under: **Stores > Configuration > MageB2B > DATEV Export Pro > XML Export Settings**

Setting	Description
Enable XML Export	Shows XML settings in admin UI
XML Schema Version	Version used for namespaces + XSD validation (e.g. v060)
Validate XML against XSD	Validates archive + document files
XML Encoding	Config option (current generator writes UTF-8)

XML Structure

The archive file has an `<archive>` root element and references each document file via `<extension datafile="invoice_<id>.xml">....`

Document files are nested based on the mapping keys (dot notation).

Field Mapping

XML mapping is configured as JSON:

- JSON keys = XML field paths (dot notation creates nested elements)
- JSON values = expressions evaluated against `invoice.* / creditmemo.*`

Example mapping (invoice):

```
{
  "header.invoiceNumber": "{{invoice.increment_id}}",
  "header.invoiceDate": "{{invoice.created_at}}",
  "amount.grossAmount": "{{invoice.grand_total}}",
  "amount.currencyCode": "{{invoice.order_currency_code}}",
  "customer.firstName": "{{invoice.billing_address.firstname}}",
  "customer.lastName": "{{invoice.billing_address.lastname}}",
}
```

Tip: Use [Mapping Language](#) to format values (dates, conditionals, functions).

Output Files

- Archive: `var/export/datev/DATEV_XML_<type>_<from>_<to>.xml`
- Documents: `var/export/datev/invoice_<increment_id>.xml` / `creditmemo_<increment_id>.xml`
- ZIP (when “Download Documents” is enabled):
`var/export/datev/DATEV_XML_<type>_<from>_<to>.zip` with:
 - `document.xml` (archive)
 - `documents/*.xml`
 - `pdfs/*.pdf`

Validation

If “Validate XML against XSD” is enabled, the exporter validates:

- the archive XML file
- each generated document XML file

Related

- [Column Mapping](#)
- [Manual Export](#)
- [Mapping Language](#)