DATEV Export for Magento 2

Complete PDF Manual

Guide for Magento administrators, technical project owners, and implementation teams.

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EXTENSION
Magento 2 Extension DATEV Export Pro

Table of Contents

DATEV Export for Magento 2 · datev

Overview
DATEV Export for Magento 2
Getting Started
Installation
Configuration
Validate the First Export
Features
Manual Export
Automated and Command-Line Exports
CSV column mapping
Mapping expression reference
Mapping functions
Customer master data export
DATEV XML export
OSS and IOSS summary export
Reference
Configuration Fields
Troubleshooting
Common Issues
FAQ

DATEV Export for Magento 2

SoftwareSilo DATEV Export prepares Magento invoices and credit memos for accounting handoff. You can download an export in the Magento Admin, run it from the command line, or schedule it with Magento cron.

The extension supports:

- DATEV EXTF booking CSV files in Windows-1252 encoding
- DATEV XML packages with optional schema validation
- invoice and credit memo PDFs
- customer master data in EXTF format
- delivery by email to a configured accounting contact
- separate OSS and IOSS summary exports

CSV booking data and XML document packages remain separate. If you select both formats, Magento provides one accounting-data archive and one XML document archive. Upload each archive through the matching interface in the receiving accounting system.

Before the first export

Ask the person who imports the files which account framework, account length, consultant number, client number, field mapping, and XML package type they expect. The supplied mappings are a starting point, not a substitute for checking the result in the receiving accounting system.

Start with a short period containing one known invoice. Review that file before enabling a schedule.

Where to work

Task	Magento Admin location
Configure exports	**Stores > Configuration > MageB2B > DATEV Export Pro**
Download or send invoices and credit memos	**Sales > DATEV > DATEV Export**
Preview, download, or send an OSS report	**Sales > DATEV > DATEV OSS Export**

Recommended setup path

1. Install the extension.
2. Configure the accounting identifiers and document filters.
3. Review the column mappings with your accounting partner.

4. Run a manual export.
5. Add XML, master data, email delivery, or automatic exports only when the basic file is accepted.

Generated files are kept under `var/export/datev/` on the Magento server. A manual export either starts a direct download or shows a separate download button for each package.

Scope

The extension creates export files from Magento sales data. It does not submit tax returns, post entries into DATEV automatically, or decide how a transaction should be treated for accounting or tax purposes. Confirm mappings and reporting choices with your accountant or tax adviser.

Before enabling a schedule, validate the first export. For ongoing questions, use Common Issues and the FAQ.

Installation

Install the package with the Composer repository details from your SoftwareSilo account. Run these commands from the Magento project directory:

```
composer require mageb2b/datev
php bin/magento module:enable MageB2B_Datev
php bin/magento setup:upgrade
```

For production mode, follow the deployment process used by your Magento project, including dependency injection compilation and static content deployment where required.

Verify the installation

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

Then sign in to the Magento Admin and confirm that these entries are available:

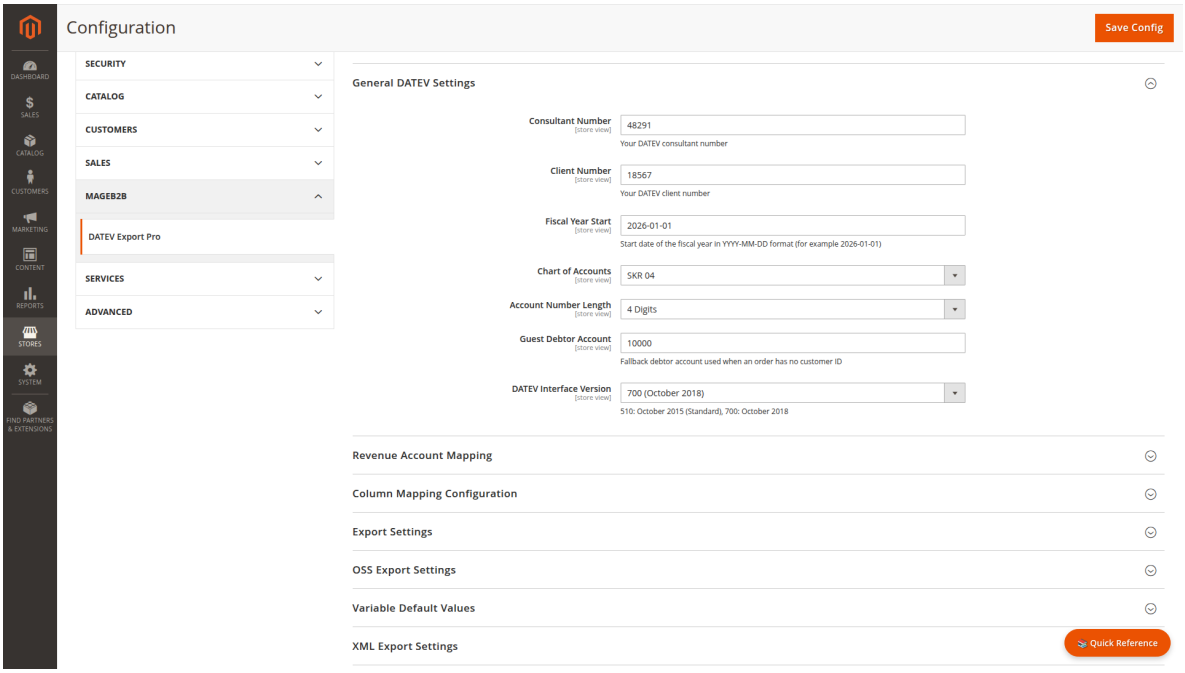
- **Stores > Configuration > MageB2B > DATEV Export Pro**
- **Sales > DATEV > DATEV Export**
- **Sales > DATEV > DATEV OSS Export**

Admin roles need the corresponding DATEV permissions before these pages appear. If the module is enabled but the menu is missing for one user, check that user's role first.

Continue with Configuration.

Configuration

Open **Stores > Configuration > MageB2B > DATEV Export Pro**. Configure one website or store scope at a time when accounting data differs between storefronts.



1. Enter the accounting identifiers

In **General DATEV Settings**, enter the consultant number, client number, fiscal-year start, chart of accounts, and account-number length agreed with your accounting partner. The fiscal-year start uses `YYYY-MM-DD`.

Set **Guest Debtor Account** to the fallback account for documents that do not resolve a customer account from the `Konto` mapping. Do not leave the supplied example values in production unless they match your accounting setup.

The **DATEV Interface Version** is written into the EXTF header. Use the value accepted by the receiving import process.

2. Map revenue accounts

The revenue-account table assigns an account and tax rate to each location type:

- **Domestic** for Germany
- **EU** for countries in Magento's EU country list
- **Third country** for other destinations

The built-in `getRevenueAccount` and `getTaxRate` mapping functions read this table. Review every row with your accountant before relying on it.

3. Choose eligible documents

In **Export Settings**, select the invoice and credit memo states that may be exported. These filters apply to Admin, command-line, cron, and OSS workflows.

An invoice outside the selected states is omitted even when its date and store match.

4. Review the mappings

Invoice and credit memo CSV mappings are separate JSON objects. XML and customer master data have their own mappings. Use **Validate Mapping** after every change, then export a small sample.

See Column Mapping and Mapping Language.

5. Configure optional XML output

In **XML Export Settings**:

- choose the schema expected by the receiving workflow
- keep XSD validation enabled while testing
- choose **Extended XML Package** when the recipient needs individual document XML files
- choose **DATEV Transfer-Compatible Package** when the recipient expects `document.xml` and GUID-based PDFs at the ZIP root

The XML generator writes UTF-8. There is no separate encoding setting for XML exports. DATEV booking CSV files continue to use Windows-1252.

If you select CSV and XML together, the export keeps the accounting data and XML documents in separate ZIP archives. The receiving system must import each archive through its matching interface.

See XML Export before sending the package to an accounting partner.

6. Configure optional master data

Enable master data export when the recipient also needs customer debtor records. Select whether billing or shipping addresses take priority and review the 254-column mapping.

See Master Data Export.

7. Configure email delivery

In **Email Settings (DATEV + OSS)**, enable email export, select a Magento sender identity, and enter the recipient. The PDF and master-data switches apply to DATEV document exports, not OSS reports.

The cron section can provide a separate recipient. If that field is empty, scheduled

delivery uses the recipient from Email Settings. Exports that create several packages send them as separate attachments in the same email.

8. Configure automatic exports last

Enable automatic export only after a matching manual export has been checked. Select invoices, credit memos, date range, format, store, and optional attachments. Use a normal cron expression such as `0 2 * * *` for 02:00 each day.

Magento cron must already run reliably. The job code is `datev_auto_export`.

See Automated Exports.

OSS settings

OSS and IOSS reporting has a separate configuration group. It controls the member state, reporting scheme, B2B detection, optional VIES validation, currency handling, and IOSS order attributes. These choices affect which transactions appear in the summary.

Use OSS Export for the full setup and classification boundaries.

Validate the First Export

Run a small manual export before enabling email delivery or a schedule. Choose a short period containing one invoice whose values you already know.

Check document selection

Confirm the selected store, document type and document states. DATEV Export filters invoices and credit memos by their creation date, so compare the period with the document rather than the original order date.

Check the accounting header

Verify the consultant number, client number, fiscal-year start, account framework and account length with the receiving accountant. These values can be technically valid while still being wrong for the client's DATEV account.

Check the booking rows

Compare the exported gross amount, tax, currency, document number, date, debtor account and revenue account with the Magento document. If a value comes from a custom mapping, confirm its variable path and any default used when the source field is empty.

Check the actual import

Open CSV files as Windows-1252 or import them directly into the target accounting software. Validate XML packages against the selected schema. When both formats are selected, import the accounting-data ZIP and XML document ZIP separately through their matching interfaces. A clean file preview is useful, but a successful test import is the meaningful acceptance step.

For transfer-compatible XML packages, open `document.xml` and compare its document references with the PDF names inside the ZIP. Each referenced PDF must exist under the same transfer identifier.

Add optional output afterward

Once the basic booking file is accepted, test PDFs, customer master data, email delivery and automation separately. This keeps a delivery or packaging issue from being mistaken for a mapping problem.

For a specific failure, continue with Common Issues. The FAQ explains formats, date selection, master data and OSS at a higher level.

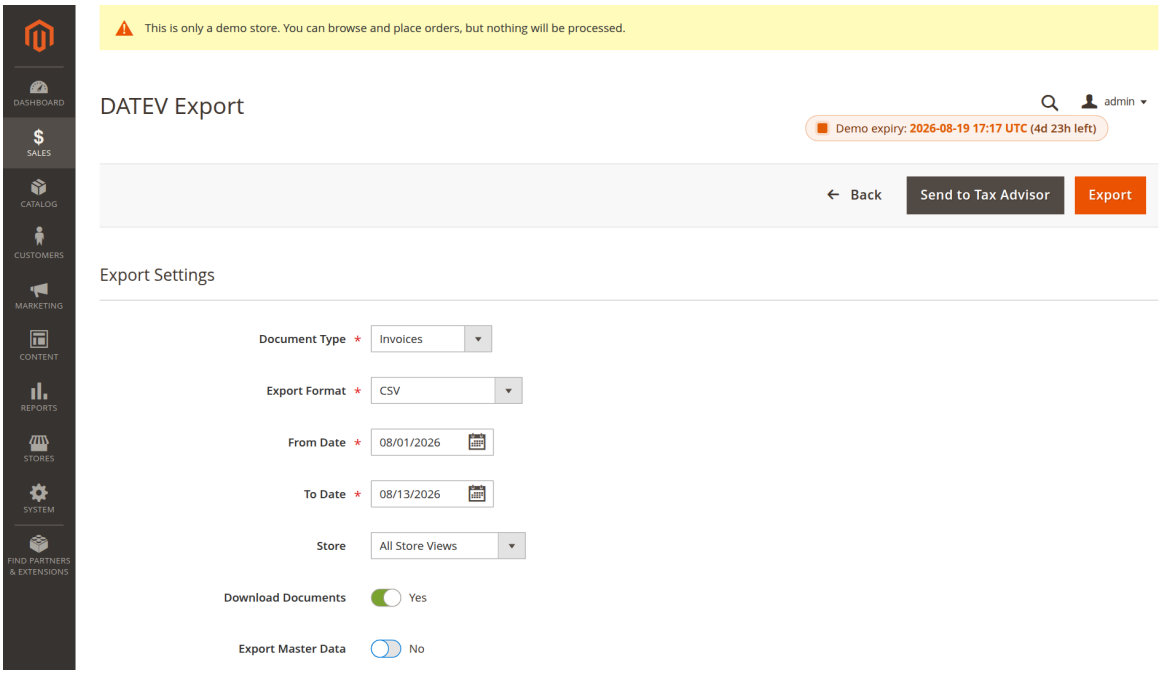
Manual Export

Use a manual export to test a mapping or prepare an on-demand accounting handoff.

Open **Sales > DATEV > DATEV Export** and choose:

- invoices or credit memos
- CSV, XML, or both
- from and to dates
- an optional store filter
- whether to include PDFs
- whether to include customer master data

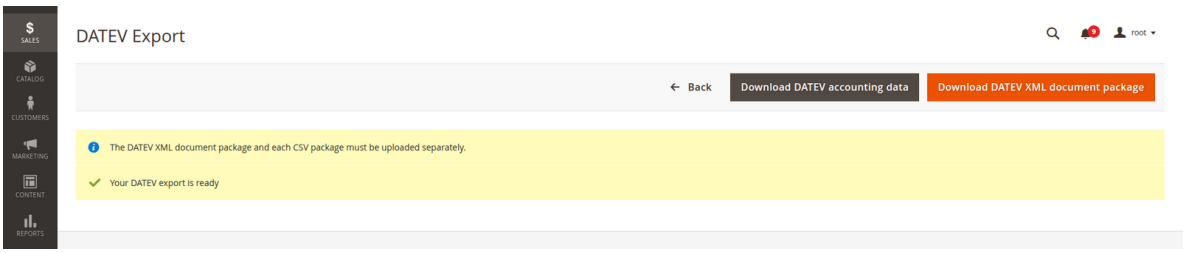
Click **Export**. If the request produces one file or one archive, the download starts directly. When the request produces more than one archive, Magento opens a result page with a separate button for each package.



Download the correct package

The selected format determines what Magento returns:

Selection	Download result
CSV	A CSV file, or one accounting-data ZIP when PDFs or master data are included
XML	One XML document ZIP; selected master data is provided as a separate ZIP
Both (CSV + XML)	One accounting-data ZIP and one XML document ZIP



Do not combine the archives before uploading them. Import the accounting-data package through the DATEV CSV or standard import and the XML document package through the XML document interface used by the recipient.

A safe first run

1. Choose a short date range with one known paid invoice.
2. Select CSV only and leave optional attachments off.
3. Open the result and check the EXTF header, debtor account, revenue account, amount, date, and document number.
4. Have the recipient test the import.
5. Add XML, PDFs, or master data only when needed.

Files are also retained under `var/export/datev/` on the Magento server.

Send by email

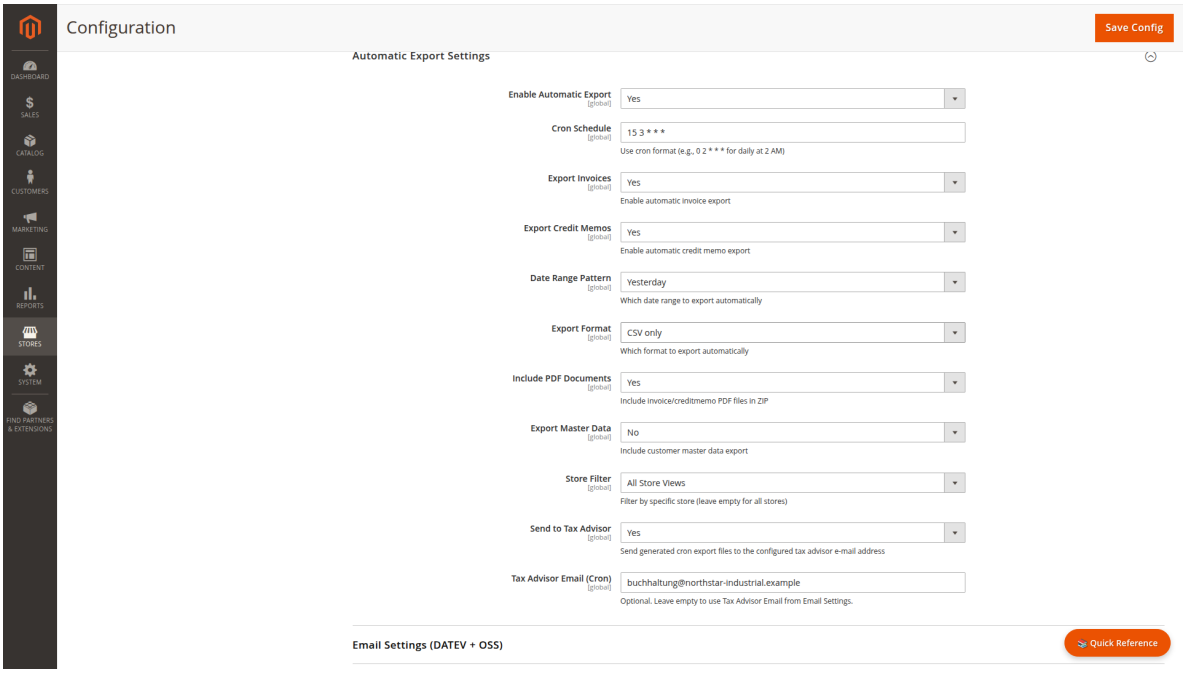
The **Send** action generates the same packages and emails them as separate attachments to the configured accounting contact. First enable email export and configure the sender and recipient under **Email Settings (DATEV + OSS)**.

Email is a delivery method, not an import confirmation. Keep a process for checking that the recipient accepted the files.

For tax summary files, use OSS Export instead.

Automated and Command-Line Exports

Configure scheduled exports under **Stores > Configuration > MageB2B > DATEV Export Pro > Automatic Export Settings**. Test the same options manually before enabling the schedule.



Schedule and date window

The `datev_auto_export` Magento cron job uses the configured cron expression. Date patterns cover yesterday, the last complete week or month, or the current week or month up to yesterday.

The cron settings are global. A store filter limits the run to one store; without it, the job processes stores separately so each store's scoped configuration can be used.

Generated content

Choose invoices, credit memos, CSV, XML, or both. PDFs and customer master data are optional. Generated files are written below `var/export/datev/`.

If **Send to Tax Advisor** is enabled, the job packages eligible files and sends them to the cron-specific recipient or the default recipient from Email Settings. CSV, master-data, and XML packages are attached separately when the selected export requires more than one archive. Delivery state prevents already delivered documents from being sent repeatedly in later overlapping runs.

Command-line export

Use the same export pipeline from the Magento project directory:

```
php bin/magento datev:export \
  --export_type=invoice \
  --export_from_date=2026-07-01 \
  --export_to_date=2026-07-31 \
  --export_format=csv
```

Required options:

- `--export_type=invoice` or `creditmemo`
- `--export_from_date=YYYY-MM-DD`
- `--export_to_date=YYYY-MM-DD`

Optional options:

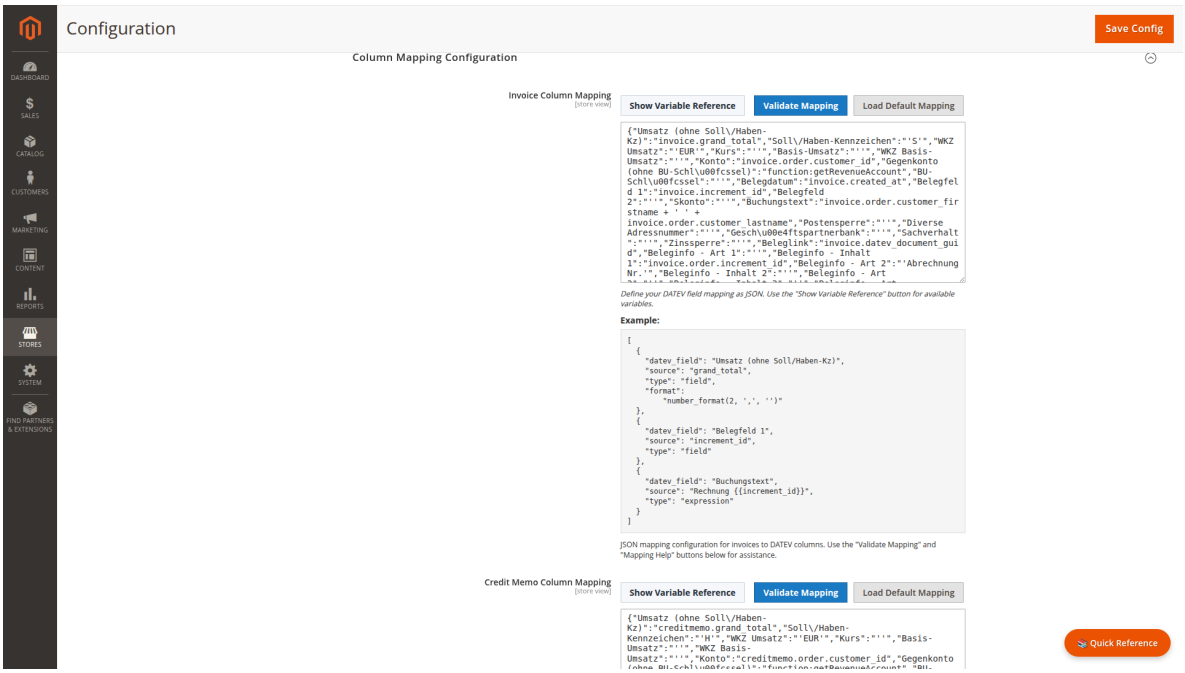
- `--store_id=<id>`
- `--export_format=csv`, `xml`, or `both`
- `--download_documents`
- `--export_master_data`

The command prints each generated path. A valid request with no matching documents is reported as an informational no-data result.

CSV column mapping

Invoice and credit memo mappings are separate JSON objects. Each key is a column in the exported EXTF file. Each value tells the extension where to find or how to calculate the value for that column.

Open **Stores > Configuration > MageB2B > DATEV Export Pro > Column Mapping Configuration**.



Start from the supplied mapping

The default mapping covers the standard booking columns and is safer than building a file from scratch. Copy it to a project document before changing it, then adjust one field at a time.

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

Credit memo expressions use `creditmemo` as their root object. Keep the credit memo mapping separate because its debit or credit sign and other accounting fields may differ from invoices.

Fields handled by the exporter

The exporter applies special handling to several standard columns:

- `Umsatz (ohne Soll/Haben-Kz)` uses the document grand total and a decimal comma.
- `Belegdatum` uses the document creation date in DATEV day and month format.
- `Konto` falls back to the configured guest debtor account if its expression returns no value.
- `Beleglink` is tied to the document GUID used for linked files.

Other values are evaluated with the mapping language.

Validate and test

Use **Validate Mapping** before saving. It checks the JSON structure, expressions, and registered `function:` names. Validation cannot tell whether an account number or tax treatment is correct for your business.

After saving:

1. Export one known document.
2. Compare the source invoice with the CSV row.
3. Check debtor and revenue accounts, amount, currency, date, document number, and tax fields.
4. Ask the receiving accounting team to test the import.

Missing values

Use **Variable Default Values** only for fields that are genuinely optional. Keys must match the exact variable path:

```
{
  "invoice.order.billing_address.postcode": "00000"
}
```

A default can hide an incomplete Magento record, so avoid generic names or tax data as fallbacks.

Mapping expression reference

The same expression processor is used for booking CSV, XML, and customer master data mappings.

Available objects

- invoice mappings use `invoice.*`
- credit memo mappings use `creditmemo.*`
- customer master data uses `customer.*` and `address.*`

Dot notation follows Magento data objects and related records. Common examples include `invoice.increment_id`, `invoice.order.increment_id`, and `invoice.order.billing_address.country_id`.

Constants and templates

Use single quotes for a constant:

```
'EUR'
''
```

Use braces for a template:

```
Invoice {{invoice.increment_id}}
```

The `+` operator joins strings:

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

Conditions and arithmetic

A ternary expression selects one of two values:

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

Supported comparisons are `==`, `!=`, `>`, `<`, `>=`, and `<=`. Numeric expressions can use `+`, `-`, `*`, `/`, and parentheses.

Built-in formatting functions

The processor supports:

- `upper`, `uppercase`, `lower`, and `lowercase`
- `trim`, `length`, `strlen`, `substr`, and `substring`
- `replace` and `concat`
- `round`, `floor`, `ceil`, and `abs`
- `default` and `ifempty`
- `number_format`

Examples:

```
upper(invoice.order.customer_lastname)
default(invoice.order.customer_email, 'missing@example.com')
number_format(invoice.grand_total, 2, ',', '')
```

The example address uses a reserved domain. Use a meaningful operational fallback in production, or leave the value empty if the receiving format permits it.

Provider functions and Magento configuration

Call a registered provider with `function:getRevenueAccount`. See Mapping functions.

Read a Magento configuration value with:

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

Null defaults

CSV and XML have separate **Variable Default Values** fields. A key must be the exact unresolved path, not the output column name. Validate the mapping and export a document that is missing the field before relying on the fallback.

Mapping functions

Mapping functions contain business logic that would be awkward to repeat in JSON. Call them with the `function:` prefix.

The extension registers three functions:

Function	Result
`function:getRevenueAccount`	Account number from the configured domestic, EU, or third-country revenue mapping
`function:getTaxRate`	Tax rate from the same matching revenue row
`function:getEuCountryAndVatId`	Combined EU country and VAT ID value for the document's order

Example:

```
{
  "Gegenkonto (ohne BU-Schlüssel)":
"function:getRevenueAccount",
  "EU-Land u. UStID": "function:getEuCountryAndVatId",
  "EU-Steuersatz": "function:getTaxRate"
}
```

`getRevenueAccount` and `getTaxRate` depend on **Revenue Account Mapping**. If the result is unexpected, check the destination country, Magento's EU country list, and the matching configuration row.

Use **Validate Mapping** after changing a function call. An unknown or misspelled function stops the export.

Project-specific functions

A Magento developer can register another function provider for project-specific logic. Keep that code in a separate integration module. Document its input and output, add tests for each accounting case, and validate the final export with the receiving team.

Customer master data export

Customer master data can accompany an invoice or credit memo export. The extension creates an EXTF debtor and creditor CSV with 254 columns and one row for each collected customer.

Enable **Export Master Data** on the manual form or in the automatic export settings. The CSV is named like `EXTF_DebKred_Stamm_<timestamp>.csv`.

For a CSV export, master data is included in the accounting-data ZIP. With **Both (CSV + XML)**, it stays in the accounting-data archive and is not copied into the XML document package. An XML-only export provides master data in its own `EXTF_Datev_Stammdaten_<from>_<to>.zip` archive.

Choose the address

Address Export Priority controls which Magento customer address is used:

- billing first, then shipping
- shipping first, then billing
- billing only
- shipping only

If neither preferred default address resolves, the generator falls back to the first available customer address. Customers without usable address data can therefore produce empty mapped fields.

Mapping format

The mapping is a JSON object. Keys are zero-based column indexes and values are expressions:

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

The supplied mapping initializes all 254 columns and fills selected account, name, address, contact, customer-number, and tax fields. Review both the column numbers and debtor-account formula with the receiving accounting team.

Before sending the file

Open the CSV with an editor that preserves Windows-1252 and semicolon delimiters. Check a company customer, a person customer, a customer with only one address, and any store-specific data. Do not use spreadsheet software that silently changes account numbers or VAT IDs before saving the file.

DATEV XML export

Select XML when the receiving workflow expects DATEV document packages rather than only an EXTF booking CSV. Confirm the schema and package type with the recipient first.

Configuration

Under **XML Export Settings**, choose a supported schema, enable XSD validation, and select a package mode. The generator writes all XML files in UTF-8.

Extended XML package

The ZIP contains:

- `document.xml` as the archive manifest
- individual document XML files under `documents/`
- PDFs under `pdfs/` when requested

The manifest references the individual document data and linked PDF.

DATEV transfer-compatible package

The ZIP contains `document.xml` and linked PDFs at the ZIP root. Each PDF uses the persistent transfer identifier referenced by `document.xml`. Depending on the selected schema, this is a GUID or the corresponding v05 document identifier. Invoice and credit memo PDFs therefore do not use generic names such as `invoice_<ID>.pdf` or `creditmemo_<ID>.pdf` in this package.

Choose this mode only when the recipient expects that layout.

Keep XML and CSV separate

Selecting **Both (CSV + XML)** creates two archives. The accounting-data archive contains the EXTF booking CSV and, when selected, customer master data. The XML document archive contains only the XML package files and its linked PDFs.

An XML-only export with customer master data also keeps the files separate. Magento provides one master-data ZIP and one XML document ZIP. Uploading the two formats separately prevents the XML package from being handled as a standard CSV archive.

XML mapping

Invoice and credit memo XML mappings are separate JSON objects. Keys identify XML fields and values use the same expression language as CSV mappings. The selected schema affects the generated namespaces and supported ledger structure, so do not copy a mapping between schema choices without testing it.

Validation

When **Validate XML against XSD** is enabled, the extension validates the manifest and any generated document XML files. A validation error stops the export. Keep validation enabled for go-live tests and resolve the reported field or structure instead of treating the switch as a compatibility fix.

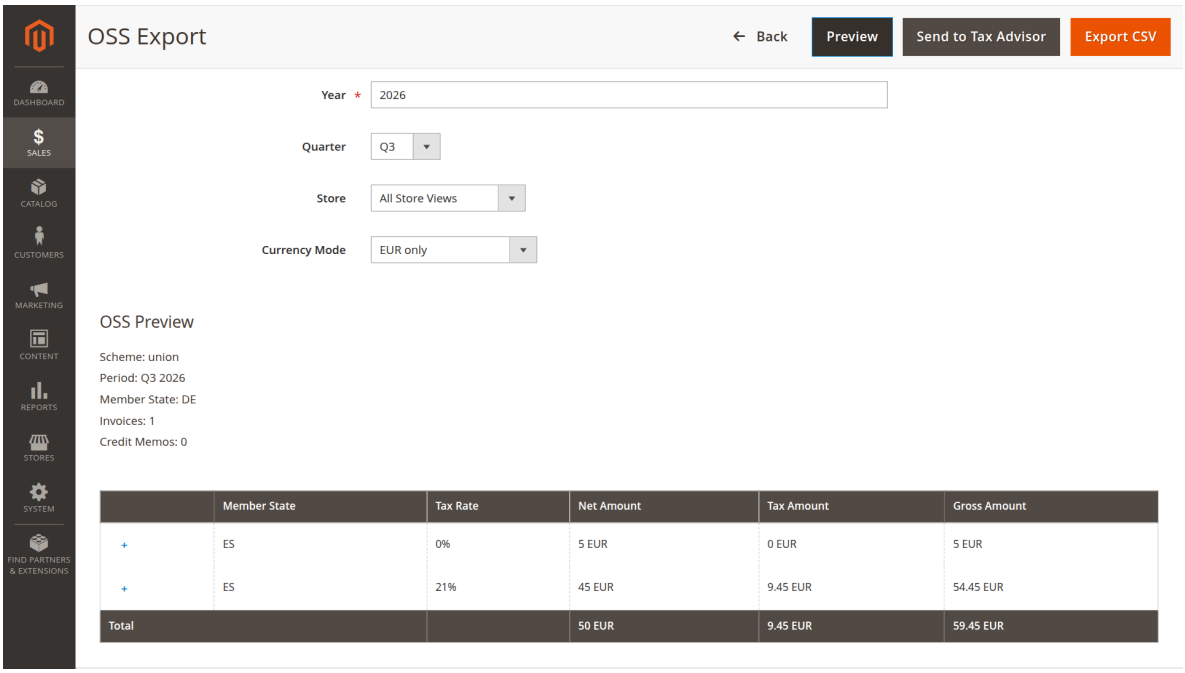
Files on the server

The generator writes its working files under `var/export/datev/`. Archive names follow `DATEV_XML_<type>_<from>_<to>.zip`. Extended-package document XML files use the invoice or credit memo number. In a transfer-compatible package, the PDF filename matches the identifier stored in `document.xml`.

OSS and IOSS summary export

The OSS screen aggregates eligible Magento invoices and credit memos by destination country and tax rate. It produces a semicolon-separated CSV for review or delivery. It does not file a return.

Open **Sales > DATEV > DATEV OSS Export**. Use **Preview** before downloading or sending a report.



Required setup

Under **OSS Export Settings**:

- enable OSS export
- set the member state of identification
- confirm Magento's EU country list
- choose how B2B orders are detected
- enable and map IOSS order attributes if IOSS is used
- configure VIES only if online VAT validation is part of the chosen B2B rule

The invoice and credit memo state filters from **Export Settings** also apply.

Period rules

Union and non-Union OSS use quarterly periods. IOSS uses monthly periods. The module rejects a mismatched period type.

Union OSS requires an EU member state of identification. Non-Union OSS requires a non-EU member state. IOSS must be enabled before it can be selected.

Transaction classification

The report excludes transactions classified as B2B. Depending on configuration, that decision uses a VAT ID, selected customer tax classes, selected customer groups, or a combination.

VIES can validate a resolved VAT ID and cache the result for the configured number of days. A connection failure can add warnings to the preview. Review those warnings before using the report.

For IOSS, an order must have the configured flag, ship to an EU country, and remain within the configured import-value check. The implementation excludes a numeric import value above EUR 150. This limit is fixed in the installed module version rather than read from configuration. A statutory threshold change therefore requires a module update before the report can apply the new value.

These rules describe how the extension selects records. They do not determine whether your business should use a particular scheme.

Currency modes

EUR only rejects a non-EUR transaction. **ECB rate at period end** converts non-EUR amounts using the period-end rate and records rate information in the report data.

Output

The CSV contains scheme, period, member state, tax rate, net amount, tax amount, and currency. Credit memos reduce the aggregated values.

The **Send** action creates a ZIP under `var/export/datev/oss/` and emails it to the configured accounting contact. OSS emails do not include invoice PDFs or customer master data.

Check the preview totals against the underlying documents and have the result reviewed by the person responsible for the return.

Configuration Fields

This reference lists the settings exposed by `mageb2b/datev` in Magento Admin.

Configuration paths are included for controlled deployments and `config:set`. Use Magento Admin for normal changes so field validation and scope inheritance still apply. The extension status display is not listed because it reports installation state rather than a configurable value.

General DATEV Settings

Field	Configuration path	Input	Scope
Consultant Number	`datev/general/consultant_number`	Text	Default, Website, Store view
Client Number	`datev/general/client_number`	Text	Default, Website, Store view
Fiscal Year Start	`datev/general/fiscal_year_start`	Text	Default, Website, Store view
Chart of Accounts	`datev/general/chart_of_accounts`	Select	Default, Website, Store view
Account Number Length	`datev/general/account_length`	Select	Default, Website, Store view
Guest Debtor Account	`datev/general/guest_debtor_account`	Text	Default, Website, Store view
DATEV Interface Version	`datev/general/interface_version`	Select	Default, Website, Store view

Revenue Account Mapping

Field	Configuration path	Input	Scope
Revenue Accounts	`datev/revenue_accounts/mapping`	Custom control	Default, Website, Store view

Column Mapping Configuration

Field	Configuration path	Input	Scope
Invoice Column Mapping	`datev/column_mapping/invoice_mapping`	Custom control	Default, Website, Store view
Credit Memo Column Mapping	`datev/column_mapping/creditmemo_mapping`	Custom control	Default, Website, Store view

Export Settings

Field	Configuration path	Input	Scope
Invoice States to Export	`datev/export_settings/invoice_export_states`	Multi-select	Default, Website, Store view
Credit Memo States to Export	`datev/export_settings/creditmemo_export_states`	Multi-select	Default, Website, Store view

OSS Export Settings

Field	Configuration path	Input	Scope
Enable OSS Export	`datev/oss_settings/enabled`	Select	Default, Website, Store view
Default Scheme	`datev/oss_settings/default_scheme`	Select	Default, Website, Store view
Default Period Type	`datev/oss_settings/default_period_type`	Select	Default, Website, Store view
Default Currency Mode	`datev/oss_settings/default_currency_mode`	Select	Default, Website, Store view

Field	Configuration path	Input	Scope
Member State of Identification	`datev/oss_settings/member_state`	Select	Default, Website, Store view
B2B Detection	`datev/oss_settings/b2b_mode`	Custom control	Default, Website, Store view
Customer Tax Classes (B2B)	`datev/oss_settings/b2b_tax_classes`	Multi-select	Default, Website, Store view
B2B Customer Groups	`datev/oss_settings/b2b_customer_groups`	Multi-select	Default, Website, Store view
Enable IOSS	`datev/oss_settings/enable_ioss`	Select	Default, Website, Store view
IOSS Flag Attribute	`datev/oss_settings/ioss_flag_attribute`	Text	Default, Website, Store view
IOSS Import Value Attribute	`datev/oss_settings/ioss_import_value_attribute`	Text	Default, Website, Store view
Enable VIES Validation	`datev/oss_settings/vies_enabled`	Select	Default, Website, Store view
VIES API URL	`datev/oss_settings/vies_api_url`	Text	Default, Website, Store view
Test VIES Connection	`datev/oss_settings/vies_test_connection`	Custom control	Default, Website, Store view
VAT ID Source	`datev/oss_settings/vies_customer_vat_source`	Select	Default, Website, Store view
Customer Field	`datev/oss_settings/vies_customer_vat_field`	Select	Default, Website, Store view

Field	Configuration path	Input	Scope
Customer Attribute	`datev/oss_settings/vies_customer_vat_attribute`	Select	Default, Website, Store view
Requester Country	`datev/oss_settings/vies_requester_country`	Select	Default, Website, Store view
Requester VAT ID	`datev/oss_settings/vies_requester_vat`	Text	Default, Website, Store view
VIES Cache Days	`datev/oss_settings/vies_cache_days`	Text	Default, Website, Store view

Visibility dependencies:

- `datev/oss_settings/b2b_tax_classes` is available when `datev/oss_settings/b2b_mode` is `taxvat_tax_class`.
- `datev/oss_settings/ioss_flag_attribute` is available when `datev/oss_settings/enable_ioss` is `1`.
- `datev/oss_settings/ioss_import_value_attribute` is available when `datev/oss_settings/enable_ioss` is `1`.
- `datev/oss_settings/vies_api_url` is available when `datev/oss_settings/vies_enabled` is `1`.
- `datev/oss_settings/vies_test_connection` is available when `datev/oss_settings/vies_enabled` is `1`.
- `datev/oss_settings/vies_customer_vat_field` is available when `datev/oss_settings/vies_customer_vat_source` is `customer_field`.
- `datev/oss_settings/vies_customer_vat_attribute` is available when `datev/oss_settings/vies_customer_vat_source` is `customer_attribute`.
- `datev/oss_settings/vies_requester_country` is available when `datev/oss_settings/vies_enabled` is `1`.
- `datev/oss_settings/vies_requester_vat` is available when `datev/oss_settings/vies_enabled` is `1`.
- `datev/oss_settings/vies_cache_days` is available when `datev/oss_settings/vies_enabled` is `1`.

Variable Default Values

Field	Configuration path	Input	Scope
Default Values for NULL Variables (CSV)	`datev/variable_defaults/null_handling`	Custom control	Default, Website, Store view
Default Values for NULL Variables (XML)	`datev/variable_defaults/xml_null_handling`	Custom control	Default, Website, Store view

XML Export Settings

Field	Configuration path	Input	Scope
Enable XML Export	`datev/xml_export/enable_xml_export`	Select	Default, Website, Store view
XML Schema Version	`datev/xml_export/xml_schema_version`	Select	Default, Website, Store view
Validate XML against XSD	`datev/xml_export/validate_xml`	Select	Default, Website, Store view
Document Packaging Mode	`datev/xml_export/document_packaging_mode`	Select	Default, Website, Store view

Visibility dependencies:

- `datev/xml_export/xml_schema_version` is available when `datev/xml_export/enable_xml_export` is `1`.
- `datev/xml_export/validate_xml` is available when `datev/xml_export/enable_xml_export` is `1`.
- `datev/xml_export/document_packaging_mode` is available when `datev/xml_export/enable_xml_export` is `1`.

XML Column Mapping Configuration

Field	Configuration path	Input	Scope
Invoice XML Mapping	`datev/xml_mapping/invoice_mapping`	Custom control	Default, Website, Store view
Credit Memo XML Mapping	`datev/xml_mapping/creditmemo_mapping`	Custom control	Default, Website, Store view

Automatic Export Settings

Field	Configuration path	Input	Scope
Enable Automatic Export	`datev/cron_settings/enabled`	Select	Default
Cron Schedule	`datev/cron_settings/schedule`	Text	Default
Export Invoices	`datev/cron_settings/export_invoices`	Select	Default
Export Credit Memos	`datev/cron_settings/export_creditmemos`	Select	Default
Date Range Pattern	`datev/cron_settings/date_pattern`	Select	Default
Export Format	`datev/cron_settings/export_format`	Select	Default
Include PDF Documents	`datev/cron_settings/download_documents`	Select	Default
Export Master Data	`datev/cron_settings/export_master_data`	Select	Default
Store Filter	`datev/cron_settings/store_id`	Select	Default
Send to Tax Advisor	`datev/cron_settings/send_to_tax_advisor`	Select	Default
Tax Advisor Email (Cron)	`datev/cron_settings/tax_advisor_email`	Text	Default

Visibility dependencies:

- `datev/cron_settings/schedule` is available when

`datev/cron_settings/enabled` is `1`.

- `datev/cron_settings/export_invoices` is available when `datev/cron_settings/enabled` is `1`.
- `datev/cron_settings/export_creditmemos` is available when `datev/cron_settings/enabled` is `1`.
- `datev/cron_settings/date_pattern` is available when `datev/cron_settings/enabled` is `1`.
- `datev/cron_settings/export_format` is available when `datev/cron_settings/enabled` is `1`.
- `datev/cron_settings/download_documents` is available when `datev/cron_settings/enabled` is `1`.
- `datev/cron_settings/export_master_data` is available when `datev/cron_settings/enabled` is `1`.
- `datev/cron_settings/store_id` is available when `datev/cron_settings/enabled` is `1`.
- `datev/cron_settings/send_to_tax_advisor` is available when `datev/cron_settings/enabled` is `1`.
- `datev/cron_settings/tax_advisor_email` is available when `datev/cron_settings/enabled` is `1`.
- `datev/cron_settings/tax_advisor_email` is available when `datev/cron_settings/send_to_tax_advisor` is `1`.

Email Settings (DATEV + OSS)

Field	Configuration path	Input	Scope
Enable Email Export	`datev/email_settings/enabled`	Select	Default, Website, Store view
Sender Identity	`datev/email_settings/sender_identity`	Select	Default, Website, Store view
Tax Advisor Email	`datev/email_settings/tax_advisor_email`	Text	Default, Website, Store view
Attach PDF Documents (DATEV only)	`datev/email_settings/attach_pdf`	Select	Default, Website, Store view

Field	Configuration path	Input	Scope
Attach Master Data (DATEV only)	`datev/email_settings/attach_master_data`	Select	Default, Website, Store view

Visibility dependencies:

- `datev/email_settings/sender_identity` is available when `datev/email_settings/enabled` is `1`.
- `datev/email_settings/tax_advisor_email` is available when `datev/email_settings/enabled` is `1`.
- `datev/email_settings/attach_pdf` is available when `datev/email_settings/enabled` is `1`.
- `datev/email_settings/attach_master_data` is available when `datev/email_settings/enabled` is `1`.

Master Data Export Settings

Field	Configuration path	Input	Scope
Enable Master Data Export	`datev/master_data_export/enable_master_data_export`	Select	Default, Website, Store view
Address Export Priority	`datev/master_data_export/address_priority`	Select	Default, Website, Store view
Master Data Field Mapping	`datev/master_data_export/master_data_mapping`	Custom control	Default, Website, Store view

Visibility dependencies:

- `datev/master_data_export/address_priority` is available when `datev/master_data_export/enable_master_data_export` is `1`.
- `datev/master_data_export/master_data_mapping` is available when `datev/master_data_export/enable_master_data_export` is `1`.

Common Issues

The export contains no invoices or credit memos

Start with one document whose Magento number and creation date you know. Confirm that its `created_at` date falls within the selected period, its state is enabled in **Export Settings**, its store matches the selected scope and its document type is included.

The end date includes the full day. Widening every filter at once makes the real mismatch harder to find.

Mapping validation fails

Use **Validate Mapping** in the DATEV configuration. Invalid JSON, an unknown variable path and a misspelled `function:` provider are different problems, so read the returned message before editing the mapping.

Restore the last working mapping if necessary, then apply one change at a time. The provider names are case-sensitive.

A mapped column is empty

Not every value exists on every invoice, credit memo, order, customer or address. Confirm that the selected variable path belongs to the exported document type. For an optional value, add a deliberate entry under **Variable Default Values**.

Do not use a default to conceal missing accounting data that the recipient requires.

The CSV contains unexpected characters

DATEV EXTF files use Windows-1252 encoding. Open the file with that encoding or import it directly into the accounting software instead of relying on a spreadsheet application's automatic detection. Check any custom text or mapping value that cannot be represented in Windows-1252.

XML generation or validation fails

Confirm that XML export is enabled and that the selected package mode and schema match the recipient's import process. A validation message normally identifies the affected file or element. Correct the mapping or configuration before delivery.

Disabling schema validation can isolate whether generation or validation fails, but it does not make an invalid package acceptable.

DATEV handles an XML document package as a standard

upload

Check which archive was uploaded. A **Both (CSV + XML)** export provides separate buttons for the accounting-data ZIP and the XML document ZIP. Upload the accounting-data archive through the CSV or standard import. Use the recipient's XML document interface for the `DATEV_XML_...zip` archive.

Do not merge both archives or place one inside the other. If the receiving workflow has no XML document import, use CSV only or ask the accounting contact which DATEV interface is available.

A ZIP archive is missing PDF documents

PDFs are included only when **Download Documents** is selected or the matching email or cron attachment setting is enabled. Magento must also be able to render each selected invoice or credit memo.

Transfer-compatible XML packages place PDFs at the ZIP root. Extended packages place them under `pdfs/`.

In a transfer-compatible package, the PDF filename must match the identifier referenced by `document.xml`. Generic `invoice_<ID>.pdf` or `creditmemo_<ID>.pdf` names indicate that the package was not generated with the transfer-compatible naming flow.

An automatic export does not run

Check Magento cron, **Enable Automatic Export**, the cron expression, selected document types and the configured date pattern. The job code is `datev_auto_export`.

If the schedule ran but no email arrived, check the recipient, mail transport and delivery log separately from document selection.

Scheduled delivery repeats or skips documents

Automatic delivery tracks documents that have already been sent. Compare the delivery log with the configured date window before resetting GUIDs or delivery state. Resetting that state can make older documents eligible again.

The OSS preview is empty

Confirm the scheme, period, year and store first. Then check member-state configuration, destination country, document states, B2B detection and the IOSS flag. The report excludes transactions that do not meet the selected OSS or IOSS classification.

What to collect for support

Provide the export type, store, selected period, document states and one known Magento document number. Include the mapping-validation message or XML schema error, but do

not send unredacted accounting files unless support explicitly requests them through an approved channel.

FAQ

Which export format should I use?

Use DATEV EXTF CSV when the recipient expects booking batches or customer master data in the conventional DATEV import format. Use XML when the accounting workflow expects an XML package, document references or bundled PDFs. Ask the receiving accountant which variant and mapping they accept before scheduling exports.

Does the extension post entries directly into DATEV?

No. It creates files from Magento invoices and credit memos. Download, email or scheduled delivery hands those files to the next accounting step; the extension does not log in to DATEV and post the entries automatically.

Does an export change Magento orders or invoices?

No accounting values are recalculated by creating an export. The extension reads the selected sales documents and writes export files. Automatic delivery records which documents have already been transferred so that scheduled runs can avoid unintended duplicates.

Which date does the document filter use?

The invoice or credit memo creation date is used. It is not necessarily the order date or payment date. Test a short period containing one known document before exporting a month or quarter.

Can invoices and credit memos be exported together?

Yes, when both document types and their relevant states are selected. Credit memos are represented as their own accounting documents rather than silently altering an earlier invoice row.

Can the export include invoice and credit memo PDFs?

Yes. Enable document download for the manual, email or scheduled workflow that should include them. The result is delivered as a ZIP when the selected format contains more than one file.

What does Both (CSV + XML) create?

It creates separate archives for separate import paths. The accounting-data ZIP contains the EXTF booking file and selected master data. The XML document ZIP contains the XML package and its linked PDFs. Manual exports show one download button for each archive;

email and scheduled exports attach them separately.

Why do PDFs in a transfer-compatible XML package have identifier-based names?

`document.xml` links each document to its PDF through a persistent transfer identifier. The PDF uses that identifier as its filename so the receiving software can resolve the attachment. Depending on the selected schema, the name is based on a GUID or the corresponding v05 identifier rather than the Magento invoice or credit memo number.

What are column mappings for?

Mappings connect Magento document data to the fields expected in the output. They can use document variables, defaults and supported function providers. Treat the supplied mapping as a practical starting point and have the recipient verify account fields, tax treatment and identifiers.

Can customer master data be exported separately?

Yes. Master-data export creates DATEV-compatible customer records independently from the booking export. Decide with the recipient whether master data is maintained through this file or in another system before enabling scheduled delivery.

Are OSS and IOSS included in the normal booking export?

They have a separate reporting workflow under **Sales > DATEV > DATEV OSS Export**. The preview groups eligible cross-border transactions according to the selected scheme and period. It does not submit a tax return.

Where are generated files stored?

Generated files are kept below `var/export/datev/` on the Magento server. Admin exports either download one result directly or show one button for each generated package. Apply your normal access, backup and retention policy to that directory.

Should I enable automatic exports immediately?

No. First export a small, known period manually and let the receiving accountant import and approve the result. Enable the schedule only after identifiers, mappings, encoding and document selection are confirmed.

What should I do when an export fails?

Start with Common Issues. It separates document-selection, mapping, encoding, XML, PDF, cron and OSS problems so you can test the failing stage directly.