Product Fees Documentation

Complete PDF Manual

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

LAST UPDATED
2026-10-13

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EXTENSION
Magento 2 Extension Product Fees

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Product Fees

Product Fees calculates product-level fixed or percentage fees and carries the resulting amounts through the sales flow:

- Quote / Cart / Checkout
- Order
- Invoice (including partial invoices)
- Credit Memo (including partial refunds)
- Emails and PDFs (optional)

Quick Links

Getting Started

- Installation
- Configuration
- Create Fee Types
- Assign Fees to Products

Features

- Fixed vs. Percent Fees
- Tax Calculation
- Where Fees Are Displayed
- Partial Invoices & Refunds

Troubleshooting

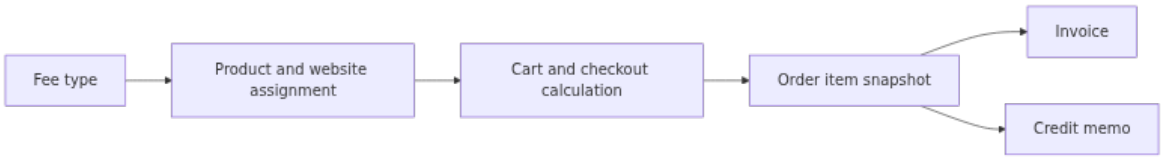
- Common Issues
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How the setup fits together

A fee type defines what a charge means: its label, fixed or percentage calculation, tax behavior and display order. A product assignment then connects that reusable definition to a product, website and amount.

For example, one **Environmental Handling Fee** can be assigned at €4.90 to a bag and €12.50 to a piece of workshop equipment. Both products keep the same customer-facing meaning and tax defaults, while their amounts remain independent.

Manage fee types under **Catalog > Product Fee Types** and assignments in the **Product Fees** section of each product. Direct database changes are neither required nor supported.



The snapshot keeps completed sales documents independent from later changes to a fee type or product assignment.

Installation

Requirements

- Magento 2 installed and working
- Composer access to MageB2B packages

Install

Replace `repo.softwaresilo.io`, `softwaresilo`, `https://repo.softwaresilo.io/` and `<token>` with the repository details shown under **Account > Licenses** in your SoftwareSilo account — see Installation & Updates.

```
composer config bearer.repo.softwaresilo.io <token>
composer config repositories.softwaresilo composer
https://repo.softwaresilo.io/
composer require mageb2b/productfee:*
php bin/magento module:enable MageB2B_ExtensionManager
MageB2B_Productfee
php bin/magento setup:upgrade
php bin/magento setup:di:compile
php bin/magento cache:flush
```

If your setup requires static content deployment:

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

Admin permissions

The module defines three ACL resources under **System > Permissions > User Roles**:

- **Catalog > Product Fee Types** — manage fee types
- **Catalog > Product Fee Assignments** — manage product assignments
- **Stores > Settings > Configuration > Product Fees Configuration** — change the configuration section

Grant them to admin roles that manage fees; read-only roles can keep them disabled.

Uninstall

```
php bin/magento module:uninstall MageB2B_Productfee
php bin/magento cache:flush
```



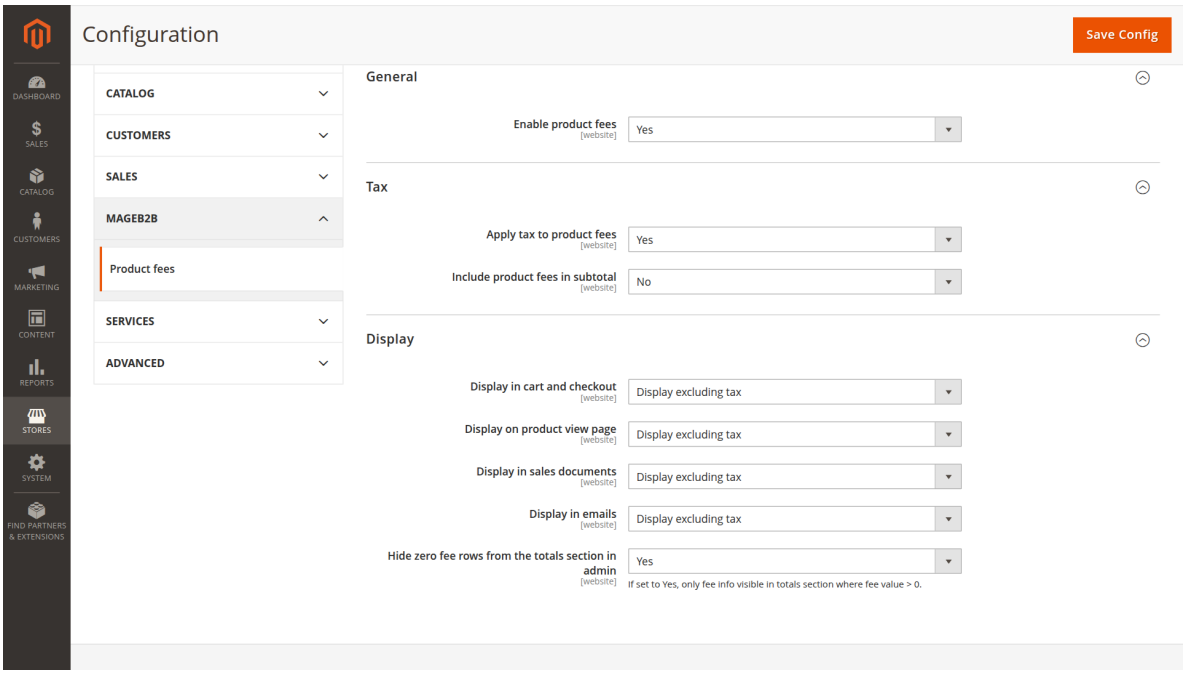
Configuration

Admin configuration

Go to:

- Admin Panel -> Stores -> Configuration -> MageB2B -> Product fees

These settings control calculation and display for fee data that already exists. They do not create fee types or product assignments.



General

Enable product fees

- Config path: `productfee/general/enabled`

Tax

Apply tax to product fees

- Config path: `productfee/tax/apply_tax`
- If enabled, fees marked as taxable will be added to Magento tax calculation via "associated taxables".
- A taxable fee needs a tax class (see "Fee Types" / "Assignments").

Include product fees in subtotal

- Config path: `productfee/tax/include_in_subtotal`

- If enabled, fees are added into the **Subtotal** totals segment (after Magento tax collector runs).
- If enabled, there is **no separate "Product Fees" total row** in cart/checkout totals (the fees are part of subtotal).

Display

All display settings below use the same options:

- Do not display
- Display excluding tax
- Display including tax
- Display both excluding and including tax

Display in cart and checkout

- Config path: `productfee/display/cart_checkout`
- Controls the per-item fee breakdown (cart line item, mini summary item, etc.).
- Note: the cart/checkout totals row comes from the quote total segment `productfee` and is only shown when fees exist and "include in subtotal" is disabled.

Display on product view page

- Config path: `productfee/display/product_view`
- Controls the fee rows shown on the product detail page.

Display in sales documents

- Config path: `productfee/display/sales`
- Controls order/invoice/credit memo totals (frontend account pages, guest pages, and PDFs).

Display in emails

- Config path: `productfee/display/email`
- Controls fee rows in order / invoice / credit memo emails.

Hide zero fee rows from the totals section in admin

- Config path: `productfee/display/admin_totals_hide_zero_fee_rows`
- If enabled, admin order totals will not show the "Product fees" row when the calculated amount is `0.00`.

Totals Sort Order

Magento total sort order:

- Config path: `sales/totals_sort/productfee` (default: `35`)

ACL / Permissions

To grant access to Product Fees configuration in the Magento admin, allow:

- `MageB2B_Productfee::productfee_config`

System Configuration Reference

Generated from the module `etc/adminhtml/system.xml` files so the KB matches the Magento admin configuration structure.

`productfee`

Product fees / General (`productfee/general/*`)

Config path	Admin label	Type
`productfee/general/enabled`	Enable product fees	`select`

Product fees / Tax (`productfee/tax/*`)

Config path	Admin label	Type
`productfee/tax/apply_tax`	Apply tax to product fees	`select`
`productfee/tax/include_in_subtotal`	Include product fees in subtotal	`select`

Product fees / Display (`productfee/display/*`)

Config path	Admin label	Type
`productfee/display/cart_checkout`	Display in cart and checkout	`select`
`productfee/display/product_view`	Display on product view page	`select`
`productfee/display/sales`	Display in sales documents	`select`
`productfee/display/email`	Display in emails	`select`

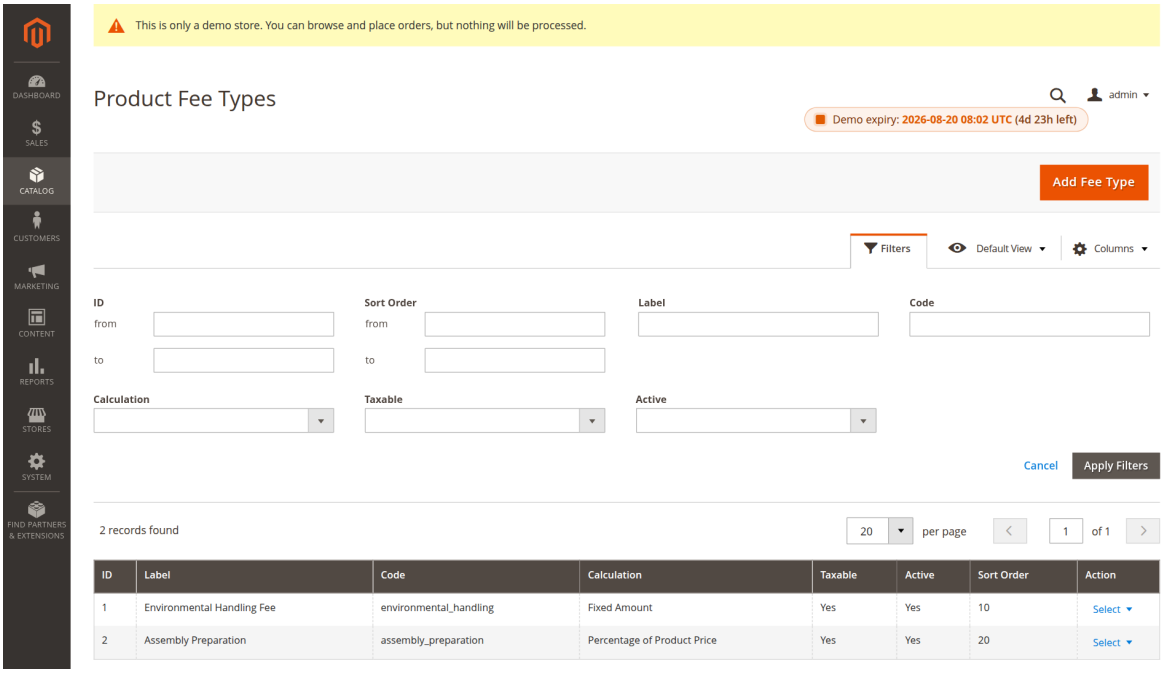
Config path	Admin label	Type
`productfee/display/admin_totals_hide_zero_fee_rows`	Hide zero fee rows from the totals section in admin	`select`

sales / totals_sort (`sales/totals_sort/*`)

Config path	Admin label	Type
`sales/totals_sort/productfee`	Product fees	`text`

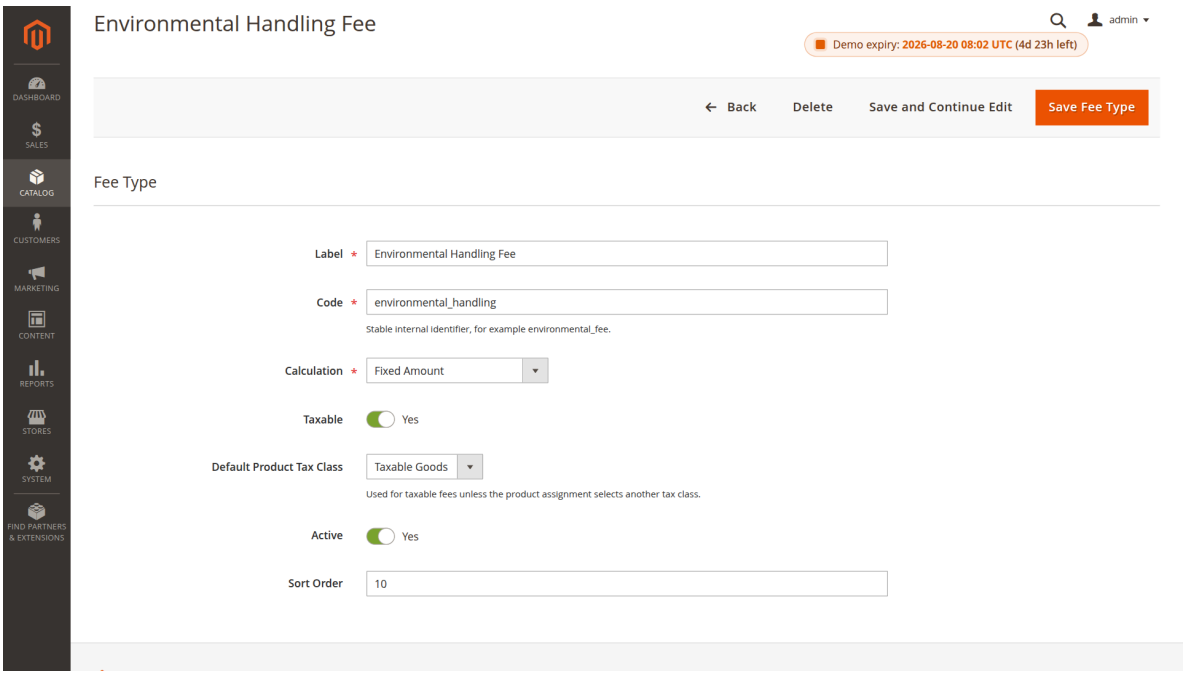
Create Fee Types

Open **Catalog > Product Fee Types** and select **Add Fee Type**. Fee types are reusable definitions. They describe the meaning and calculation of a charge; the amount applied to a specific product is set later on the product itself.



Fee type fields

Field	Purpose
Label	Customer-facing name shown in the storefront and sales documents
Code	Stable internal identifier, such as `environmental_handling`
Calculation	Fixed amount or percentage of the product price
Taxable	Whether Magento may calculate tax for the fee
Default Product Tax Class	Tax class used unless a product assignment overrides it
Active	Whether new quote calculations can use the fee type
Sort Order	Position when several fees are displayed together



Fixed or percentage

- **Fixed Amount** uses the assigned amount per item unit. An amount of `4.90` adds €4.90 per unit in a euro website.
- **Percentage of Product Price** treats the assigned amount as a percentage. An amount of `2.5` calculates 2.5% of the product price used by the quote item.

Use a stable code that describes the fee rather than its amount. A code such as `environmental_handling` can stay unchanged when product amounts change.

Tax behavior

Mark a fee type as taxable and select its normal product tax class when the charge should follow Magento tax calculation. A product assignment can override that class for an exceptional product. The module-wide **Apply tax to product fees** setting must also be enabled.

Active status and historical orders

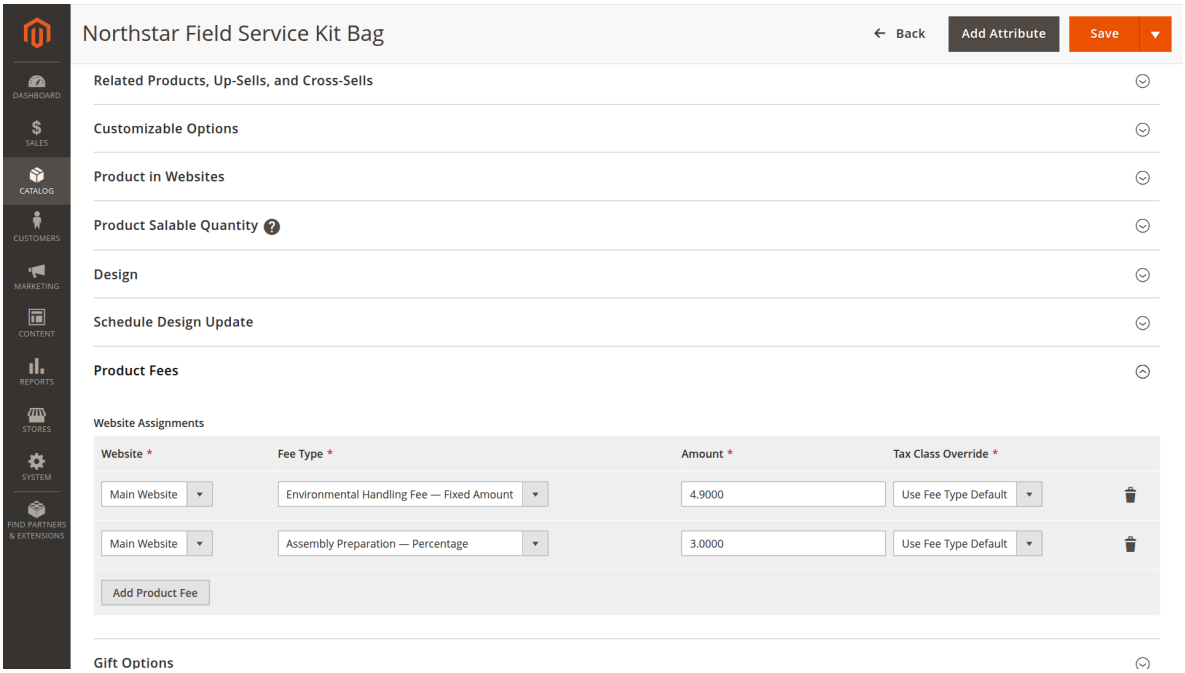
Deactivating a fee type prevents it from being applied to new quote calculations. Existing orders, invoices and credit memos keep the fee snapshot captured during checkout.

Deleting a fee type also removes its current product assignments. It does not rewrite historical sales documents.

Next, assign the fee type to a product.

Assign Fees to Products

Open **Catalog > Products**, edit a product and expand **Product Fees**. Add one row for every fee that should apply.



Assignment fields

Field	Purpose
Website	Website on which the fee applies
Fee Type	Reusable definition created under Product Fee Types
Amount	Fixed amount or percentage, depending on the fee type
Tax Class Override	Optional product-specific replacement for the fee type's default tax class

Save the product after adding or removing rows. Product Fees stores the complete assignment set together, so an invalid row cannot leave the product partially updated.

Website scope

Assignments belong to a website, not a store view. The same product can therefore use different amounts on different websites:

Website	Fee type	Amount
Main Website	Environmental Handling Fee	4.90

Website	Fee type	Amount
European Wholesale	Environmental Handling Fee	3.75

The current storefront only reads assignments for its own website.

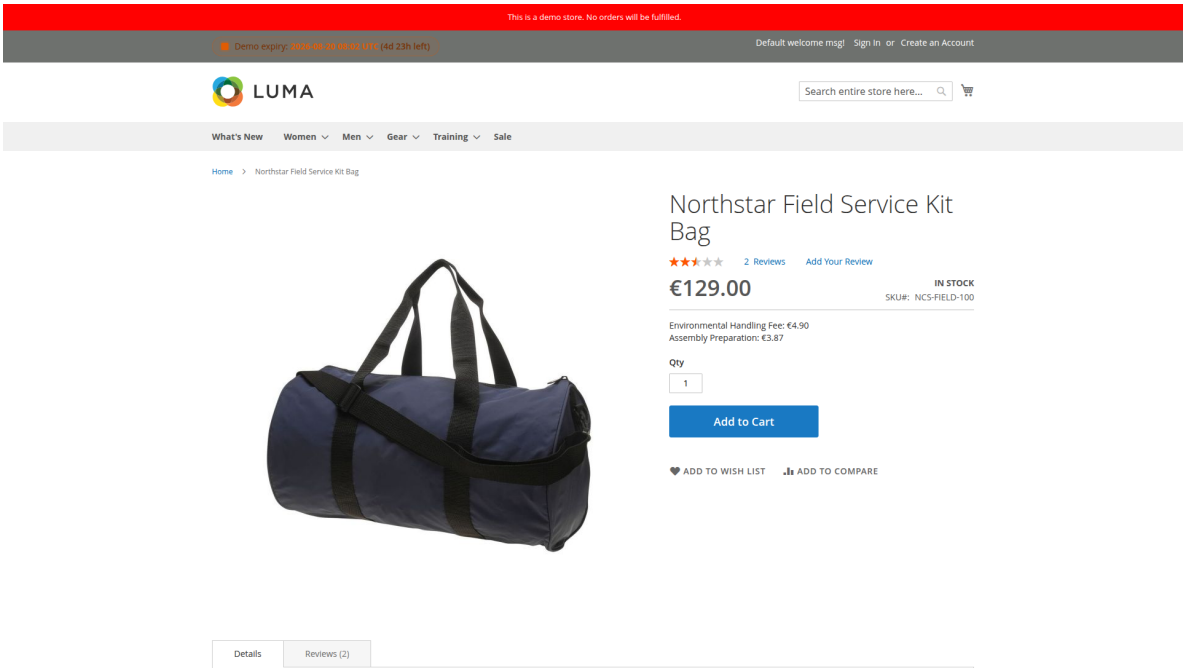
Multiple fees

A product can use several fee types. For example, an industrial machine might have both a fixed handling fee and a percentage-based commissioning fee. The same fee type can appear only once for a product and website.

Check the result

1. Confirm Product Fees is enabled for the website scope.
2. Open the product on that website.
3. Add a known quantity to the cart.
4. Compare the product fee and total with the configured calculation.
5. Place a test order when you also need to verify invoices, credit memos, emails or PDFs.

The example below combines a fixed €4.90 handling fee with a 3% preparation fee on a €129.00 product.



See fixed and percentage calculations and display locations for the next steps.

Where Fees Are Displayed

Product Fees can be displayed in multiple places. Visibility is controlled via:

- `productfee/display/cart_checkout`
- `productfee/display/product_view`
- `productfee/display/sales`
- `productfee/display/email`

Product page

- Fee rows are rendered on the product detail page.

Cart

Per Item

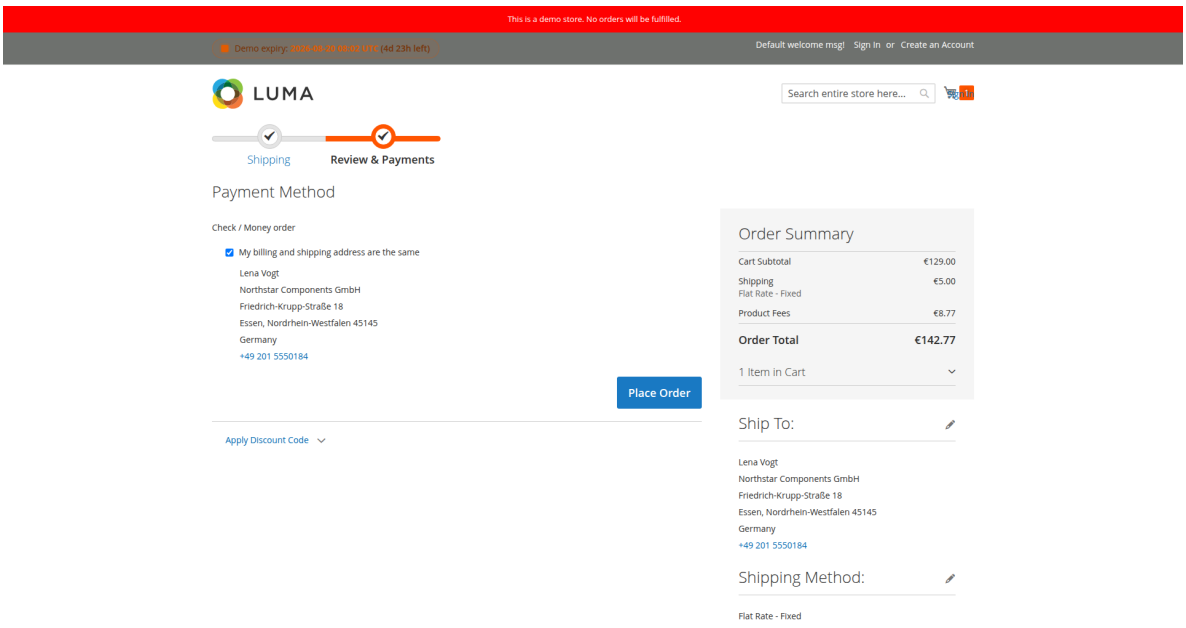
- Fee rows can be shown below each cart item.
- For configurable products, child item fee data is carried into cart and sales display so the visible totals match the selected variant.

Totals

- If `productfee/tax/include_in_subtotal = No`, a "Product Fees" totals row is shown.
- If `productfee/tax/include_in_subtotal = Yes`, fees are part of subtotal and there is no separate row.

Checkout

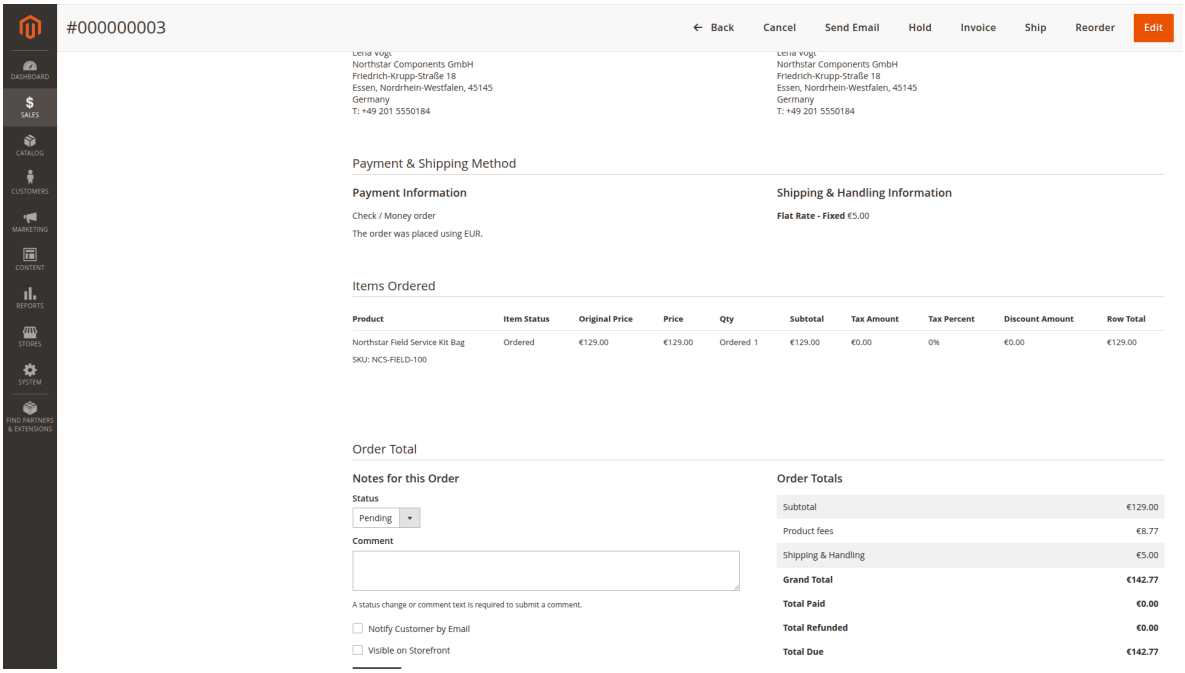
- Same behavior as cart totals (segment `productfee` is only displayed when not included in subtotal).



Customer account and guest order pages

- Order totals: the fee appears as its own row in the order totals block (the `order_totals` section on order, invoice and credit memo pages) if **Display in sales documents** (`productfee/display/sales`) is enabled.
- Invoice and credit memo totals: shown similarly.

The Magento Admin order view uses the same persisted sales values. This makes the fee amount auditable after checkout, even if the product assignment changes later. The fee totals row is also shown on the admin **New Invoice** and **New Credit Memo** creation pages, including the adjust-quantities step, so the prorated amount is visible before the document is submitted.



Emails

- Per-item fee rows are added under each line item (if enabled).
- Totals row is also added (if enabled).
- Invoice and credit memo emails use the prorated fee data from the document items when available.

PDFs

- A "Product fees" total is added to Magento sales PDFs when enabled.

Fixed vs. Percent Fees

Each fee type defines how its value is calculated:

Fixed Fees

- **Fixed Amount** in the fee type's *Amount Type* field.
- The assigned `amount` is used as a fixed per-unit fee.
- Total fee for the cart item is `amount * qty`.

Percent Fees

- **Percentage of Product Price** in the fee type's *Amount Type* field.
- The assigned `amount` is interpreted as a percentage.

Calculation details:

- In cart/quote totals, the percent is calculated on the quote item's base unit calculation price.
- On the product detail page, the percent is calculated on the product's final price (display only).

Tip: if you use percent fees together with discounts, the effective base price used for calculation can differ based on Magento pricing rules and how the item price is calculated.

Partial Invoices & Refunds

Product Fees are stored on sales items and are automatically prorated by quantity for invoices and credit memos.

Partial Invoices

When creating an invoice for a subset of ordered quantity, fee amounts are calculated as:

```
fee_on_invoice_item = fee_on_order_item * (invoiced_qty / ordered_qty)
```

The prorated values are stored on the invoice item — as fee amounts, tax amounts and a JSON snapshot of which fee types applied. The order item carries the same data, so the invoice row always traces back to what was charged.

Partial Refunds (Credit Memos)

Credit memos use the same ratio logic:

```
fee_on_creditmemo_item = fee_on_order_item * (refunded_qty / ordered_qty)
```

This keeps fee totals consistent across multiple partial invoices / refunds.

Sales, email, and PDF blocks read fee data from the invoice or credit memo item when available. This keeps displayed fee rows aligned with the prorated document instead of showing the full order-item amount on every partial document.

Tax Calculation

When Product Fee Tax Is Applied

Product fee tax is applied when:

- **Apply tax to product fees** is enabled, and
- the fee type is marked as taxable, and
- a valid tax class is available for the fee context

If any of these conditions is missing, the fee is treated as non-taxable.

How Tax Is Calculated

Taxable fees are included in Magento tax calculation together with cart items. The resulting fee tax amounts are then carried through order, invoice, and credit memo documents.

Include Fees In Subtotal

If **Include product fees in subtotal = Yes**:

- fee amounts are included in the **Subtotal** section, and
- subtotal including tax is adjusted together with the fee tax amount, and
- there is no separate **Product Fees** total row in cart/checkout totals.

If **Include product fees in subtotal = No**:

- fees are shown as a separate **Product Fees** totals row in cart/checkout.

Configuration Fields

This reference lists the settings exposed by `mageb2b/productfee` 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

Field	Configuration path	Input	Scope
Enable product fees	`productfee/general/enabled`	Select	Default, Website

Tax

Field	Configuration path	Input	Scope
Apply tax to product fees	`productfee/tax/apply_tax`	Select	Default, Website
Include product fees in subtotal	`productfee/tax/include_in_subtotal`	Select	Default, Website

Display

Field	Configuration path	Input	Scope
Display in cart and checkout	`productfee/display/cart_checkout`	Select	Default, Website
Display on product view page	`productfee/display/product_view`	Select	Default, Website
Display in sales documents	`productfee/display/sales`	Select	Default, Website
Display in emails	`productfee/display/email`	Select	Default, Website

Field	Configuration path	Input	Scope
Hide zero fee rows from the totals section in admin	`productfee/display/admin_totals_hide_zero_fee_rows`	Select	Default, Website

Totals Sort

Field	Configuration path	Input	Scope
Product fees	`sales/totals_sort/productfee`	Text	Default, Website

Database Reference

Product Fee separates reusable fee types from their product and website assignments. Tax treatment can be defined by the fee type and overridden for a specific assignment.

Relationship	Why it matters
`productfee_type` can use one `tax_class`	Provides the default tax treatment for that reusable fee type.
`productfee_product_fee` assigns one fee type to one `catalog_product_entity`	Determines which product receives the fee.
`productfee_product_fee` belongs to one `store_website`	Allows the amount and applicability to differ between websites.
`productfee_product_fee` belongs to one `productfee_type`	Reuses the fee's identity and default behavior across products.
`productfee_product_fee` can use one `tax_class`	Supports assignment-specific tax treatment where required.

Snapshot columns

Fee results are snapshotted onto Magento item tables — `quote_item`, `sales_order_item`, `sales_invoice_item` and `sales_creditmemo_item` each carry `productfee_amount`, `base_productfee_amount`, `productfee_tax_amount`, `base_productfee_tax_amount` plus `productfee_applied_json` and `productfee_tax_json` snapshots. This keeps historical orders, invoices and refunds accurate even when fee types change later.

Use the fee type and product assignment forms for changes so totals, tax and sales-document behavior remain consistent.

Common Issues

Fees Do Not Show Anywhere

Checklist:

1. Module is enabled:
   - `php bin/magento module:status MageB2B_Productfee`
2. Extension is enabled in config:
   - `productfee/general/enabled = Yes`
3. Fee type is active in admin
4. Product fee assignment exists for the correct website
5. Assigned amount is greater than zero

Fees Show In Cart Item, But Not In Totals

- If `productfee/tax/include_in_subtotal = Yes`, there is no separate "Product Fees" totals row.
- In that mode, fees are part of subtotal.

Fees Show In Totals, But Not Under Cart Items

- Check `productfee/display/cart_checkout`:
  - If set to "Do not display", the per-item breakdown block will not render.

Fee Tax Is Always 0.00

Checklist:

1. `productfee/tax/apply_tax = Yes`
2. Fee type is marked as taxable
3. A valid tax class is available for the fee context

Emails: Totals Row Shows, But Per-Item Fee Rows Are Missing

- Per-item rows in emails are controlled by `productfee/display/email`.
- Totals row visibility in sales documents is controlled by `productfee/display/sales`.
- Verify both settings are configured as intended.

Percent Fee Differs Between Product Page And Cart

In some setups, percentage presentation can differ by context (product page vs cart calculation base).
Validate with a real product/cart test and ensure pricing configuration is consistent across websites.

Multi-Website Setup: Fees Missing On One Store

- Fee assignments are website-scoped.
- Ensure assignments exist for each website that should show fees.

Upgrade from Legacy Versions

Current versions store reusable fee definitions in `productfee_type` and website-specific product assignments in `productfee_product_fee`. Older installations stored fee amounts, percentage flags, and tax values in product attributes.

What setup:upgrade migrates

The data patch reads the configured fee, percentage, and tax attribute prefixes. For each matching fee attribute, it:

1. derives a fee code from the attribute suffix;
2. creates a reusable fee type when it does not exist;
3. reads the product value in each website's default store, with global values as fallback;
4. creates or updates the website-specific product assignment;
5. carries the percentage flag and tax-class value into the new records when those source attributes exist.

Percentage fees use a separate type code ending in `_percent`. Zero and negative source amounts are not migrated.

The configuration patch also maps the earlier display settings to the current cart, product, sales, email, and tax settings. Note that it **forces three values**: it enables the extension (`enabled`), switches on tax application (`apply_tax`) and disables inclusion in the subtotal (`include_in_subtotal`). Review those settings after `setup:upgrade` if your shop needs a different tax treatment. Magento records both patches in `patch_list`, so they do not rerun on every deployment.

Check the source before upgrading

Record the three configured attribute prefixes before running `setup:upgrade`. If any prefix is empty, or no product fee attribute matches the fee prefix, the assignment migration has no source data to process.

For each website, keep examples of:

- a fixed fee;
- a percentage fee;
- a fee with a tax-class value;
- a product with a store-specific value;
- a product that should have no fee.

Verify the result

1. Open **Catalog > Product Fee Types** and confirm the expected type codes and labels.

2. Open each example product and check its website-specific **Product Fees** rows.
3. Test cart and checkout totals on every affected website.
4. Create an order, invoice, and credit memo, then compare their stored fee breakdowns.
5. Keep historical sales documents unchanged. They retain their item-level fee snapshots.

If an assignment is missing, first check the old prefixes, attribute values, website default store, and whether the source amount was greater than zero. Recreate a missing assignment through the Product Fees Admin fields rather than direct SQL.

FAQ

Is a fee type the amount charged to every product?

No. A fee type defines the customer-facing label, fixed or percentage calculation, tax defaults and display order. The product assignment supplies the website and amount. One reusable fee type can therefore have different amounts on different products.

Where are fees managed?

Create reusable definitions under **Catalog > Product Fee Types**. Open a product and use its **Product Fees** section to assign fee types, websites, amounts and optional tax-class overrides. Current versions do not require direct database work.

What does Amount mean for a percentage fee?

It is the percentage value. Enter `2.5` for a 2.5% fee. For a fixed fee, the same field is a monetary amount in the website's base currency.

Can one product have several fees?

Yes. Add one assignment row for each fee. The same fee type can appear only once for the same product and website, which prevents the same charge from being applied twice by duplicate configuration.

Can the same fee use different amounts by website?

Yes. The assignment belongs to a website, so a product can use the same fee type with a different amount in another website. Store views within that website share its base currency and assignment.

How is tax determined?

First, **Apply tax to product fees** must be enabled. The product assignment's tax-class override wins when set; otherwise the fee type's default product tax class is used. Magento's tax configuration and the customer's address determine the actual rate.

Is a percentage fee calculated from the cart subtotal?

No. Product Fee is item-based. The fee is calculated for the assigned product and quantity, then included in quote and sales totals. It is not a general order surcharge.

What happens after a fee type is deactivated?

New quote calculations ignore it. Existing orders, invoices and credit memos retain the

fee data stored with their items. Historical documents therefore do not depend on the current fee definition.

How do partial invoices and refunds handle fees?

The stored order-item fee is allocated according to the quantity being invoiced or refunded, with the remaining amount kept for later documents. See Partial Invoices and Refunds before testing split fulfillment.

Are product attributes still required?

No. Current installations use dedicated fee-type and product-assignment tables managed by the Admin forms. Older product attributes are relevant only to the one-time legacy upgrade that transfers existing data.

Can I delete a fee type that was used on an order?

Completed sales retain item-level snapshots, but deactivation is the safer operational choice when a fee should no longer apply. It preserves the definition for review while stopping it from entering new quote calculations.

Where should I start when a fee is missing or wrong?

Use Common Issues. Check the website assignment, active fee type, amount, module configuration and tax override before comparing cart, order, invoice and refund totals.