Order Split Extension

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Order Split Extension

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Split a single Magento 2 checkout into multiple orders based on vendor and warehouse rules.

Overview

The **Order Split** extension groups items by a product attribute (your vendor field) and, if enabled, by MSI source selection. It then creates one order per group, provides split traceability features in normal operation, and adds order comments with split details.

Where To Find It In Magento

- **Configuration:** `Stores > Configuration > MageB2B > Order Split`
- **Admin split list:** `Sales > Order Splits`
- **Storefront visibility:** split references are shown on checkout success and customer order view pages

Scope Notes

- Order Split is configured and operated in Magento Admin.
- There is no public service API for remote split configuration or management.

Quick Start

1. Installation
2. Configuration
3. Create your first split

Features

- Vendor Attribute Split
- MSI Source Routing
- Payment Method Allowlist
- Order Numbering
- Totals Handling
- Split Registry and Comments

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- Multi-Warehouse Shipping
- Drop-Ship + Stock Mix
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- B2B Invoicing by Vendor
- Operational Traceability

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Installation

This guide shows how to install the Order Split extension for Magento 2.

Prerequisites

- Magento 2.4.x
- PHP 8.1+
- Composer access to the MageB2B repository
- Backup of your Magento installation

Installation Steps

1. Add Repository Access

Configure Composer auth for the MageB2B repository:

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

2. Require the Package

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

3. Enable the Module

```
php bin/magento module:enable MageB2B_OrderSplit
```

4. Run Setup Upgrade

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

5. Compile and Deploy

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

6. Clear Cache

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

Verify Installation

```
php bin/magento module:status MageB2B_OrderSplit
```

If the module appears in the enabled list, installation is complete.

Next Step

Continue with Configuration.

Configuration

Order Split Extension · /order-split/getting-started/configuration

Configure Order Split in Magento Admin:

`Stores > Configuration > MageB2B > Order Split`

1. General Settings

- **Enable Order Split**: Turn the extension on.
- **Vendor Product Attribute**: Choose a select or multiselect attribute that represents the vendor.
- **Behavior When Vendor Is Missing**: Block checkout, keep one order, or use an empty vendor group.
- **Allowed Payment Methods**: Split orders for listed methods. If this list is empty, all payment methods are treated as allowed.
- **Behavior for Disallowed Payment**: Block checkout or keep a single order.
- **Behavior When Shipping Method Is Missing**: Choose whether checkout is blocked or falls back to a single order if a split shipping method is unavailable.
- **Checkout Split Notice**: Optionally show a checkout notice that split order placement rules are active.
- **Checkout Split Notice Text / Payment Method Visibility**: Configure notice text and how payment options are shown when split rules apply.

2. Inventory (MSI)

- **Use MSI Source Selection**: Enable if you want splits by warehouse/source.
- **Source Selection Algorithm**: Use the default or a custom algorithm.
- **Behavior When MSI Is Disabled**: Split by vendor only, keep a single order, or block checkout.
- **Behavior When Source Is Missing**: Block, split by vendor only, or keep a single order.

3. Order Numbering

- **Numbering Mode**: Standard or Base ID with suffix.
- **Base Suffix Format**: Use `{base}` and `{n}` (example: `{base}-{n}`).
- **Start Index / Max Attempts**: Control suffix sequence and conflicts.

4. Totals Handling

Choose how totals are handled across split orders:

- **Discount Split Mode**
- **Shipping Split Mode**
- **Tax Split Mode**

All three modes must use the same strategy (**Proportional** or **Recalculate**). Mixed mode combinations are not supported and will block order placement.

Next Step

Create your first split: First Split.

First Split

Order Split Extension · /order-split/getting-started/first-split

Follow these steps to validate that Order Split is working.

1. Create a Vendor Attribute

1. Go to `Stores > Attributes > Product`.
2. Create a **Select** or **Multiselect** attribute (for example: `Vendor`).
3. Add vendor options (for example: `Vendor A`, `Vendor B`).
4. Assign the attribute to the relevant attribute set.

2. Assign Vendors To Products

Edit two or more products and set different vendor values.

3. Configure Order Split

1. Go to `Stores > Configuration > MageB2B > Order Split`.
2. Enable Order Split.
3. Choose the vendor attribute.
4. Select allowed payment methods.
5. Save config and flush cache.

4. Place a Test Order

1. Add products from different vendors to the cart.
2. Place the order using an allowed payment method.

5. Verify Result

- You should see **multiple orders** in `Sales > Orders`.
- Each order contains items for a single vendor (and optional warehouse source).
- Order comments include split details for quick verification.

MSI Source Routing

Order Split Extension · /order-split/features/msi-routing

When MSI is enabled, Order Split can also group items by **warehouse/source**.

How It Works

- Magento's MSI source selection algorithm is used to resolve a source for item groups.
- When a single source can be resolved for a group, orders can be split so each warehouse ships its own items.

MSI Fallbacks

If MSI is disabled or no source can be determined, you can decide whether to:

- Split by vendor only
- Keep a single order
- Block checkout

Per-warehouse splitting depends on successful source resolution. If resolution is not possible, configured fallback behavior applies.

Order Numbering

Order Split Extension · /order-split/features/order-numbering

You can keep standard Magento order numbers or generate split numbers based on a shared base.

Numbering Modes

- **Standard**: Each order gets its normal increment ID.
- **Base + Suffix**: One base number with a suffix for each split.

Example:

- 100000123-1
- 100000123-2

If a number conflict occurs, the system retries up to the configured **Max Attempts** value. If no unique number can be generated within that limit, order placement is blocked.

Payment Method Allowlist

Order Split Extension · /order-split/features/payment-allowlist

Order Split runs for the payment methods you allow. If the allowlist is empty, all payment methods are treated as allowed.

Why This Matters

Some payment methods are not compatible with split orders. This setting lets you control where split is applied.

Disallowed Payment Behavior

If a customer uses a disallowed method, you can choose to:

- Block checkout
- Keep a single order

If split shipping rates cannot be applied for a split scenario, checkout behavior also follows the configured fallback (block or single order).

Split Registry and Comments

Order Split Extension · /order-split/features/split-registry

Split records are saved for traceability when registry persistence succeeds.

What Is Stored

- Base order number
- Split order numbers
- Vendor option values
- MSI source codes (if enabled)

Admin Comments

Split orders receive automatic admin comments with vendor and source details in normal operation. If comment writing fails, the split order can still be placed.

Totals Handling

Order Split Extension · /order-split/features/totals-handling

Control how discounts, shipping, and tax are handled across split orders.

Options

- **Proportional**: Split totals based on item subtotals.
- **Recalculate**: Let Magento recalculate totals per split order.

Requirement

Discount, shipping, and tax split modes must use the same strategy. Mixed mode combinations are not supported and block order placement.

Vendor Attribute Split

Order Split Extension · /order-split/features/vendor-attribute

Order Split groups items based on a product attribute you choose as the vendor field. Any **select** or **multiselect** attribute can be used.

For multiselect attributes, grouping is based on each item's resolved value set. Items are not duplicated into separate split orders per selected option.

Why It Matters

- Separate orders per vendor or supplier.
- Keep invoices and fulfillment clean.
- Match real-world vendor workflows.

Missing Vendor Behavior

If a product has no vendor value, you can choose to:

- Block checkout
- Keep one order
- Place items into an empty vendor group

Common Issues

Order did not split

Check the following:

- Products have a vendor attribute value
- At least two groups exist (otherwise no split is needed)
- The payment method is allowed
- Order Split is enabled in configuration

Split created only one order

This usually means all items ended up in the same group (same vendor and source). Verify vendor values and MSI settings.

Checkout blocked after enabling split

Check the following:

- Discount, shipping, and tax split modes use the same strategy
- The selected payment method matches your allowlist (or allowlist is intentionally empty for all methods)
- Order numbering conflict retries are high enough for your order volume

Shipping method unavailable for one split

If one split group cannot use the chosen shipping method, the configured fallback controls the result:

- Block checkout
- Keep a single order

Review the "Behavior When Shipping Method Is Missing" setting in Order Split configuration.

MSI source could not be resolved

If MSI cannot resolve a source for required groups, behavior depends on your fallback setting:

- Split by vendor only
- Keep a single order
- Block checkout

Msi Disabled

If MSI is disabled but you configured MSI routing, Order Split follows the fallback you selected:

- Split by vendor only
- Keep a single order
- Block checkout

If you want warehouse-based splitting, enable MSI and make sure source selection is available in your Magento setup.

B2B Invoicing

Create vendor-specific orders so accounting can issue clean invoices and match purchase orders without manual splitting.

Dropship Mix

Order Split Extension · /order-split/use-cases/dropship-mix

Separate drop-ship items from stocked items. Each vendor or warehouse gets its own order so fulfillment stays simple and traceable.

Multi Vendor

Order Split Extension · /order-split/use-cases/multi-vendor

Split orders so each supplier receives only their own items. This keeps invoices and delivery notes clean and avoids manual regrouping in the back office.

Multi Warehouse

Order Split Extension · /order-split/use-cases/multi-warehouse

When MSI is enabled and a source can be resolved for each required group, orders can be split by source so each warehouse ships its own items. This speeds up picking and reduces warehouse confusion.

If source resolution is not possible for part of the cart, the configured fallback behavior applies (vendor-only split, single order, or blocked checkout).

Payment Governance

Order Split Extension · /order-split/use-cases/payment-governance

Allow order split only for specific payment methods like invoice or purchase order, and keep card payments as a single order.

Traceability

Order Split Extension · /order-split/use-cases/traceability

Track how an order was split and which vendor/source each part belongs to. This provides a clear audit trail for ops and finance teams.