

How do I set a custom item weight totalizer for shipping rates?

Shipping rates can define a custom item weight totalizer to control how item weights are calculated when determining whether a rate is applicable.

For example, you may want certain product variants to be exempt from the shipping weight calculation.

First, add a setting to the variant:

```
\Aero\Catalog\Models\Variant::settings('shipping', function
(\Aero\Common\Settings\ModelSettingGroup $group) {
    $group->boolean('is_weight_exempt')->default(false);
});
```

The `setItemWeightTotalizer` method can then exclude weight-exempt variants when calculating the total weight:

```
\Aero\Cart\Models\ShippingRate::setItemWeightTotalizer(function ($items) {
    return $items
        ->reject(function (\Aero\Cart\Models\OrderItem $item) {
            return $item->buyable->setting('shipping.is_weight_exempt');
        })
        ->sum(function (\Aero\Cart\Models\OrderItem $item) {
            return $item->buyable->weight;
        });
});
```

The totalizer receives the order items and the shipping rate as parameters and should return the total weight of the items or `null`.

Returning `null` means the default item weight totalizer will be used.

Parameters

Parameter	Type	Description
<code>\$items</code>	<code>\Aero\Common\Eloquent\JavaScriptableCollection</code>	The order items being evaluated.
<code>\$rate</code>	<code>\Aero\Cart\Models\ShippingRate</code>	The shipping rate being evaluated.

Revision #4
Created 2026-09-16 12:54:43 UTC by Ethan Payne
Updated 2026-10-02 12:59:43 UTC by Ethan Payne