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

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

For example, you may want to account for additional packaging space by applying a percentage allowance to the volume of each item.

First, define the packaging allowance on the shipping method:

```
\Aero\Cart\Models\ShippingMethod::settings('extras', function
(\Aero\Common\Settings\ModelSettingGroup $group) {
    $group->integer('packaging_allowance')->default(20);
});
```

The `setItemVolumeTotalizer` method can then apply the allowance when calculating the total volume:

```
\Aero\Cart\Models\ShippingRate::setItemVolumeTotalizer(function ($items,
\Aero\Cart\Models\ShippingRate $rate) {
    $packagingAllowance = 1 + ($rate->shippingMethod->setting('extras.packaging_allowance') /
100);

    return $items->sum(function (\Aero\Cart\Models\OrderItem $item) use ($packagingAllowance)
{
        return $item->buyable->volume * $packagingAllowance;
    });
});
```

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

>

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

Parameters

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

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