

# The (long) road to Commerce 1.0

@mark\_hamstra



# 2013-2014

Official launch of mod**more**

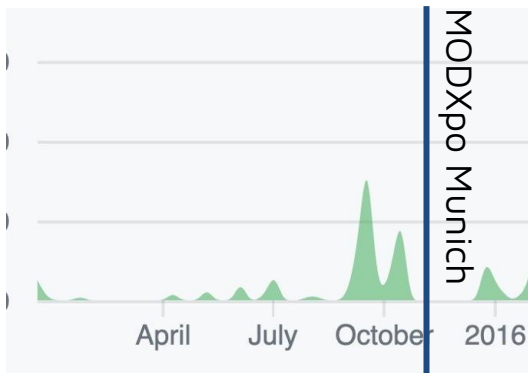
**{+}** mod**more**

Extras like Redactor, MoreGallery, ContentBlocks, Gitify, Scheduler..

# 2015

**January:** First commit for “MoreCommerce”

**November:** Announcement at MODXpo



2015

2016



## Su

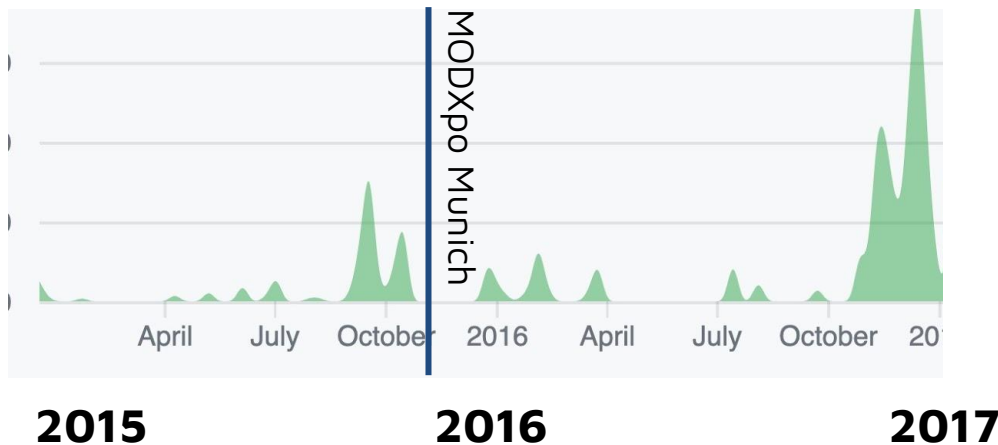
1. ContentBlocks 1.3
2. New demo site goi
3. Free dev licenses, c
4. Commerce, early access in Q1 2016



# 2016

Tough/stressful year personally: burnout, coming out

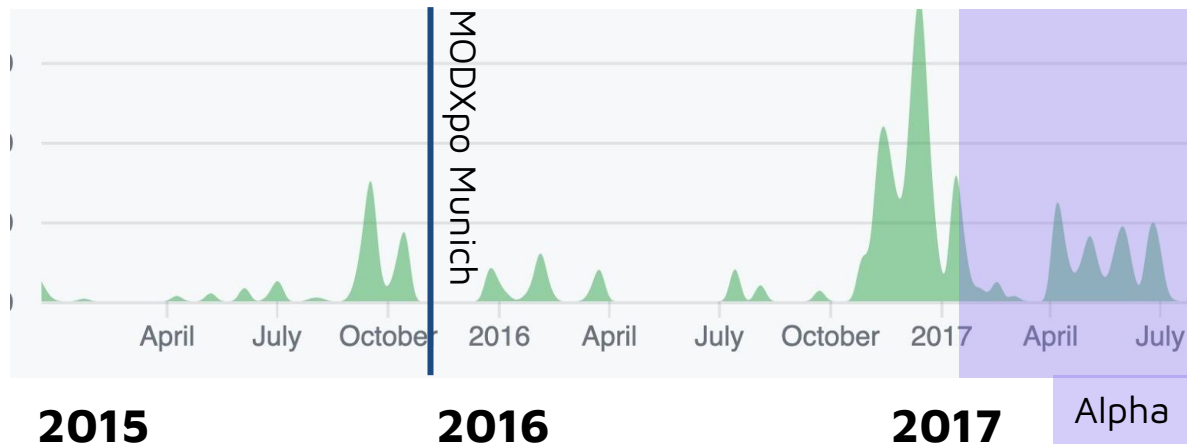
Commerce development continued slowly - until ramp up for alpha



# Q1-Q2 2017

**January:** First **Commerce alpha** available!

Lots of releases in a short period (v0.1-v0.8)



# The Commerce Alpha

- Small groups of people invited at a time
- Backward compatibility breaks to be expected
- Definitely **not** meant for production usage yet
  - License purchase link not available on the site; only on request
  - First shop went into production **within 2 months**

# New features in v0.1-v0.8

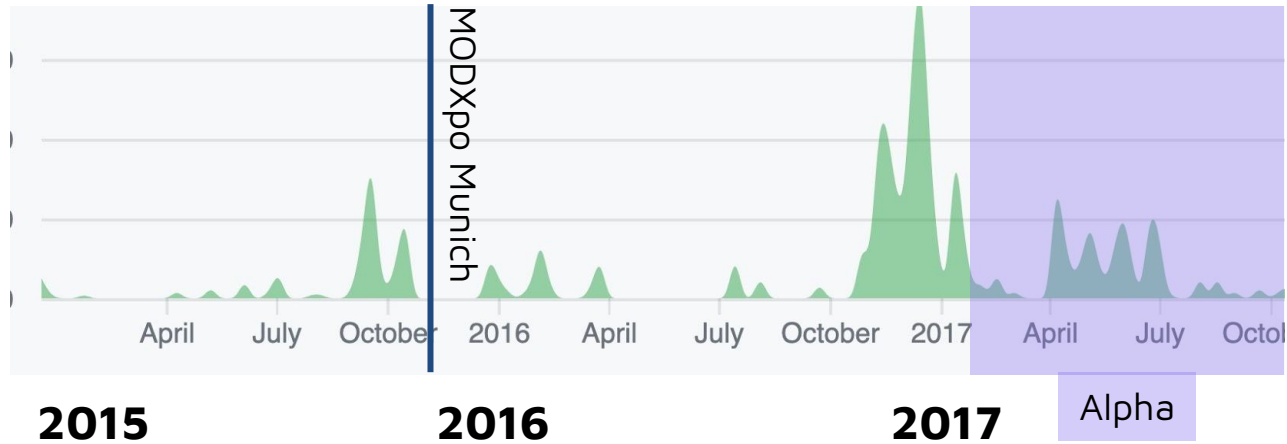
- ~280 lines in changelog
- Weight-based shipping
- Completely rebuilt tax handling (+ EU VAT & TaxJar)
- Authorize.net & MultiSafePay payments
- Support for delayed transaction confirmations
- Massive dashboard improvements
- Checkout refactored
- Added order shipments and delivery types



# Q3 2017

Commerce alpha v0.9: SagePay, listing previous orders

Start of work on SiteDash



# What's SiteDash?

- MODX monitoring service: [sitedash.app](https://sitedash.app)
- Connect your MODX sites with a plugin to:
  - Collect data about server and MODX configuration/health
  - **Remotely upgrade MODX**
  - **Remotely upgrade extras**
  - Analyse large error logs
  - Audit your front-end (Lighthouse)
- More coming: [roadmap.sitedash.app](https://roadmap.sitedash.app)



## Q4 2017

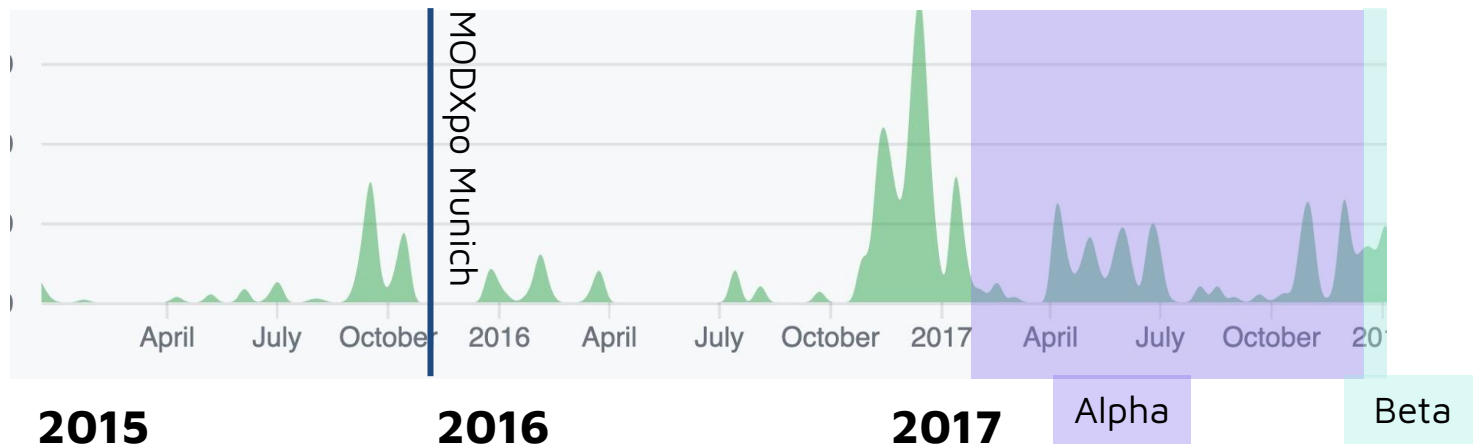
*Massive Commerce v0.10 release, officially reaching **public beta**:*

- Previous used addresses in checkout
- Dashboard enhanced with AJAX
- Custom payment methods supported
- Editing order items in the dashboard
- Automatic country-based address formatting

Bought a house!

# Q4 2017

*Massive Commerce v0.10 release, officially reaching **public beta**:*



# The Commerce Beta

- Anyone can use Commerce without invite
- Licenses available for purchase
- Backward compatibility breaks still possible and expected
  - (but avoided where possible)



# Q1 2018

SiteDash new features:

- Rewritten task worker system
- Multi-user team management
- Site Activity monitoring



## Q2-Q3 2018

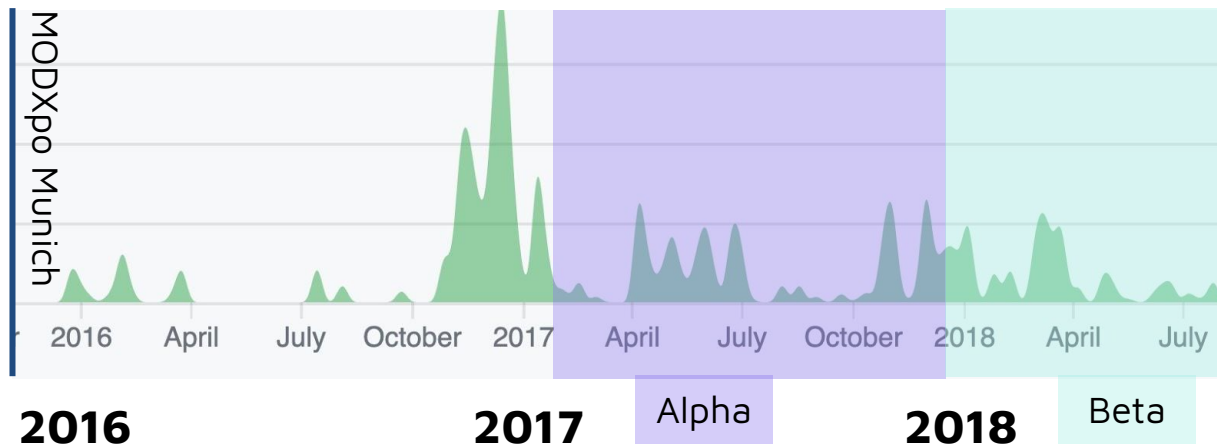
MODX 2.6.5 security release.

Another *Massive* 0.11 Commerce release (May):

- Shipping improvements, with ability to skip Shipping step
- Limiting coupons to specific products
- Order Shipments get more powerful and extendable
- Adyen gateway, UserGroupShipment, + more new modules
- Shipping costs now taxed

# Q2-Q3 2018

Fairly steady development







# Q4 2018

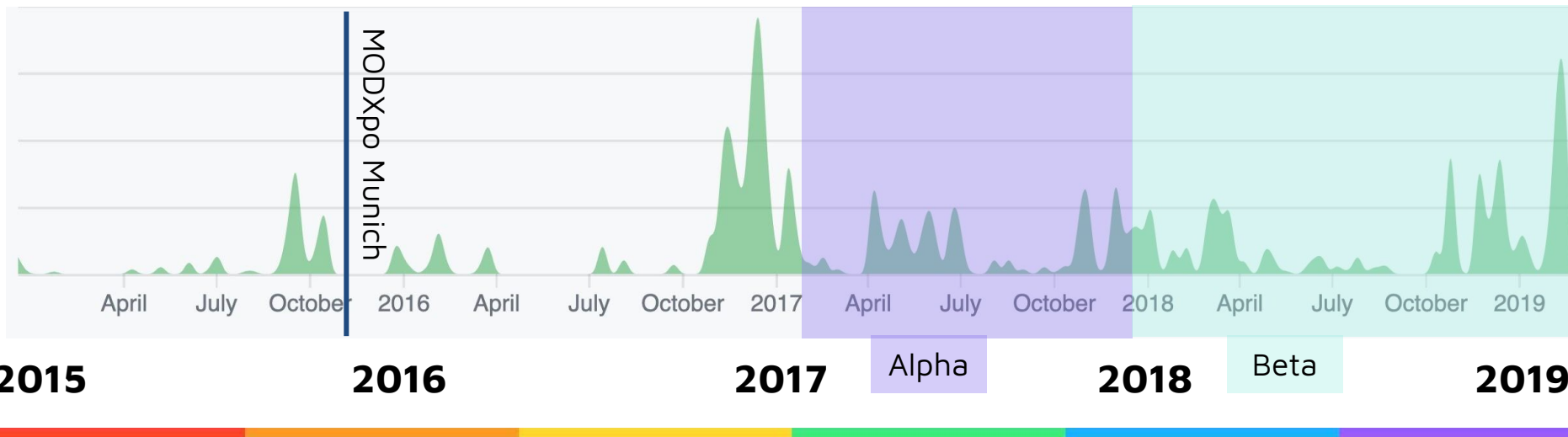
Commerce 0.12, another massive release:

- Product Matrix TV
- Templateable order references
- User & User Group Discounts
- Dashboard permissions
- Addresses refactored (again) + ability to edit from dashboard
- Custom order fields
- Improved context-awareness



# March 29, 2019

Hello, Amsterdam.



So, what can  
Commerce do today?

# Product Management

- **Product List TV**
- Product Matrix TV
- Resource Product

Third party extensions:

- Digital Product
- Multilingual Product

The screenshot displays the Redactor Product Management interface. At the top, there are buttons for Save, Duplicate, Delete, View, Close, and Help!. Below these are tabs for Document, Settings, Template Variables, and Resource Groups. The left sidebar contains links for Categories, Products, and More info. The main content area shows a list of products under the heading 'Products'. There are buttons for 'Add Product' and 'Link Existing Product'. The product list includes:

- Redactor Single License** (€25.00):
  - SKU: REDACTOR-SINGLE
  - Price: €25.00
  - In Stock: 1198
  - Weight: 0 kg
  - Tax Group: European VAT
  - Delivery Type: Digital Download
  - Buttons: Edit Product, Unlink, Delete Product
- Redactor & ContentBlocks Bundle** (€95.00):
  - SKU: BUNDLE-RED-CB
  - Price: €95.00
  - In Stock: 1000
  - Weight: 0 kg
  - Tax Group: European VAT
  - Delivery Type: Digital Download
  - Description: This is a **Bundle Product**, including the following products:
    - 1x [Redactor Single License](#) (REDACTOR-SINGLE)
    - 1x [ContentBlocks - Single License](#) (CB-SINGLE)
  - Buttons: Edit Product, Unlink, Delete Product
- Redactor Unlimited Subscription** (€25.00):

# Product Management

- Product List TV
- **Product Matrix TV**
- Resource Product

Third party extensions:

- Digital Product
- Multilingual Product

## Product Matrix

[Save](#)[Duplicate](#)[Delete](#)[Document](#)[Settings](#)[Template Variables](#)[Resource Groups](#)[Products](#)[Product Information](#)**Product Matrix**[Manage Matrix Options](#)

Size Colour	Small	Medium	Large
	€-1.50		€0.50
Plain White	TSHIRT-WHITE-S €7.50 5 in stock	TSHIRT-WHITE-M €9.00 10 in stock	TSHIRT-WHITE-L €9.50 out of stock
Navy Blue €1.50	TSHIRT-NAVY-S €9.00 20 in stock	TSHIRT-NAVY-M €10.50 8 in stock	TSHIRT-NAVY-L €11.00 19 in stock
Sparkling €3.00	TSHIRT-SPARKLE-S €10.50 31 in stock	TSHIRT-SPARKLE-M €12.00 out of stock	TSHIRT-SPARKLE-L €12.50 9 in stock
Green print	TSHIRT-GPR-S €7.50 5 in stock	TSHIRT-GPR-M €9.00 3 in stock	TSHIRT-GPR-L €9.50 8 in stock
+			

# Product Management

- Product List TV
- Product Matrix TV
- **Resource Product**

Third party extensions:

- Digital Product
- Multilingual Product

Product Resource

Save Duplicate Delete View Close

Document Settings Template Variables Resource Groups

Categories

Product Information

Product SKU

sku-prod-resource

Product Price

15.25

Stock Level

49

Tax Group

☒ NL + EU MOSS / Reverse Charge

Delivery Type

☒ Digital Download

☐ Standard Shipping

Weight

15

Weight Unit

kg

# Discounts

- **Coupon Codes**
- User / User Group discounts

## Restrictions:

- Specific products
- Order total min/max
- Date from/until

## Coupons

+ Add Coupon

Active	Code	Discount	Max Uses	Allowed for Orders	Available From
Active	100PERCENT	100%	3/100	€0.00 and up on specific products	2019-01-20 at
Active	10P	10%	1/15	€55.00 - €250.00	
Active	10€	€10.00	1/15	€55.00 and up	
Active	25PERCENT	25%	0/86	€0.00 and up on specific products	
Active	BOTH	€5.00 + 10%	4/40	€0.00 and up on specific products	
Active	FOOBAR	€15.00	0/4	€114.95 and up	
Active	MEETUP	25%	1/1	€0.00 and up	
Active	race	50%	1/1	€15.00 and up	

# Discounts

- Coupon Codes
- **User / User Group discounts**

Restrictions:

- Specific products
- Order total min/max
- Date from/until

## User Group Discounts



Add User Group Discount

User Group	Enabled	Discount	Allowed for Orders
Administrator (#1)	Active	20%	€0.00 and up



# Shipping Methods

- **Simple price**
- Price for weight
- Price per country

Extensions:

- TableRates

The screenshot shows a Magento checkout page for selecting a shipping method. At the top, a progress bar indicates the current step is 'Shipping', with previous steps 'Cart', 'User', and 'Address' completed. The main heading is 'Choose your Shipping Method'. Below this, a message asks the user to select between standard and priority shipping. Two radio button options are presented: 'Standard Shipping - €2.50 (Total: €38.80)' with a delivery time of '2 - 4 days', and 'Priority Shipping - €6.05 (Total: €42.35)' with 'Next-day delivery guaranteed'. A green button labeled 'Confirm Shipping Method' is at the bottom. On the right side, a partial view of the 'You're' section shows '1x MODX (hardcopy)' and a temporary price 'modx-temp'.

Cart > User > Address > **Shipping**

## Choose your Shipping Method

Please select if you'd like standard shipping, or priority shipping to get your order as soon as possible.

- ☐ **Standard Shipping - €2.50 (Total: €38.80)**  
2 - 4 days
- ☐ **Priority Shipping - €6.05 (Total: €42.35)**  
Next-day delivery guaranteed

**Confirm Shipping Method**

**You're**  
1x MODX (hardcopy)  
modx-temp

# Shipping Methods

- Simple price
- **Price for weight**
- Price per country

Extensions:

- TableRates

Type

Weight-Specific Shipping Method

The type determines behaviour for the object. Different types may have different configuration. When changing the type, a refresh is necessary for these options to become available in the form.

Description

An optional longer description that the customer gets to see when choosing the shipping method (depending on your checkout design).

Weight Unit

g (grams)

Weights

Weight from

Weight until

Price (in cents)

0

75

€0.99

Weight from

Weight until

Price (in cents)

75

250

€1.99

Weight from

Weight until

Price (in cents)

250

1000

€2.99

Weight from

Weight until

Price (in cents)

1000

€6.49

# Shipping Methods

- Simple price
- Price for weight
- Price per country

Extensions:

- **TableRates**

Country	State	Zip	Weight	Shipping Price
NL	*	*	0.000	0,78
NL	*	*	2.500	2,34
DE	*	*	0.000	5,21
GB	*	*	0.000	7,80
IE	*	*	0.000	5,87

# Multiple Shipments per order

## Digital Download

Digital products are automatically assigned to your user account as soon as you complete payment. You will also receive an email with instructions. Visit Account > Downloads to view all your downloads.

The following products will use this shipping method:

- 1x MODX for Template Builders (ebook)

### ☒ Assigned to your account

Right after you complete the checkout, the license will be assigned to your account.

## Standard Shipping

Please select if you'd like standard shipping, or priority shipping to get your order as soon as possible.

The following products will use this shipping method:

- 1x MODX for Template Builders (hardcopy)

### ☒ Standard Shipping - €2.50 (Total: €63.00)

2 - 4 days

### ☐ Priority Shipping - €6.05 (Total: €66.55)

Next-day delivery guaranteed

Confirm Shipping Method

each

1x MODX for Template Builders (hardcopy)

modx-template-builders, €30.00

BTW Hoog (21% over

## Shipping Information

Shipping to John Doe

Farawaystreet 123  
New London, 918273  
State United States

## Billing Information

Billing John Doe

Farawaystreet 123  
New London, 918273  
State United States

# Powerful Taxes

- Set product prices as inclusive or exclusive
- Up-to-date EU VAT Rates
- EU VAT Registration validation, supports reverse charge
- Automatic US Sales Tax\*
- **Tax groups consist of multiple rules for complex regulations:**

```
if country
  equals NL
    => NL Standard

if country
  is in the European Union
    => country standard
      or reverse charge

else => no tax
```

# Payment Methods

- Dummy Gateway
- + 9 plug & play integrations
- Extendable, based on OmniPay library

Authorize.Net® mollie

sage Pay  PayPal

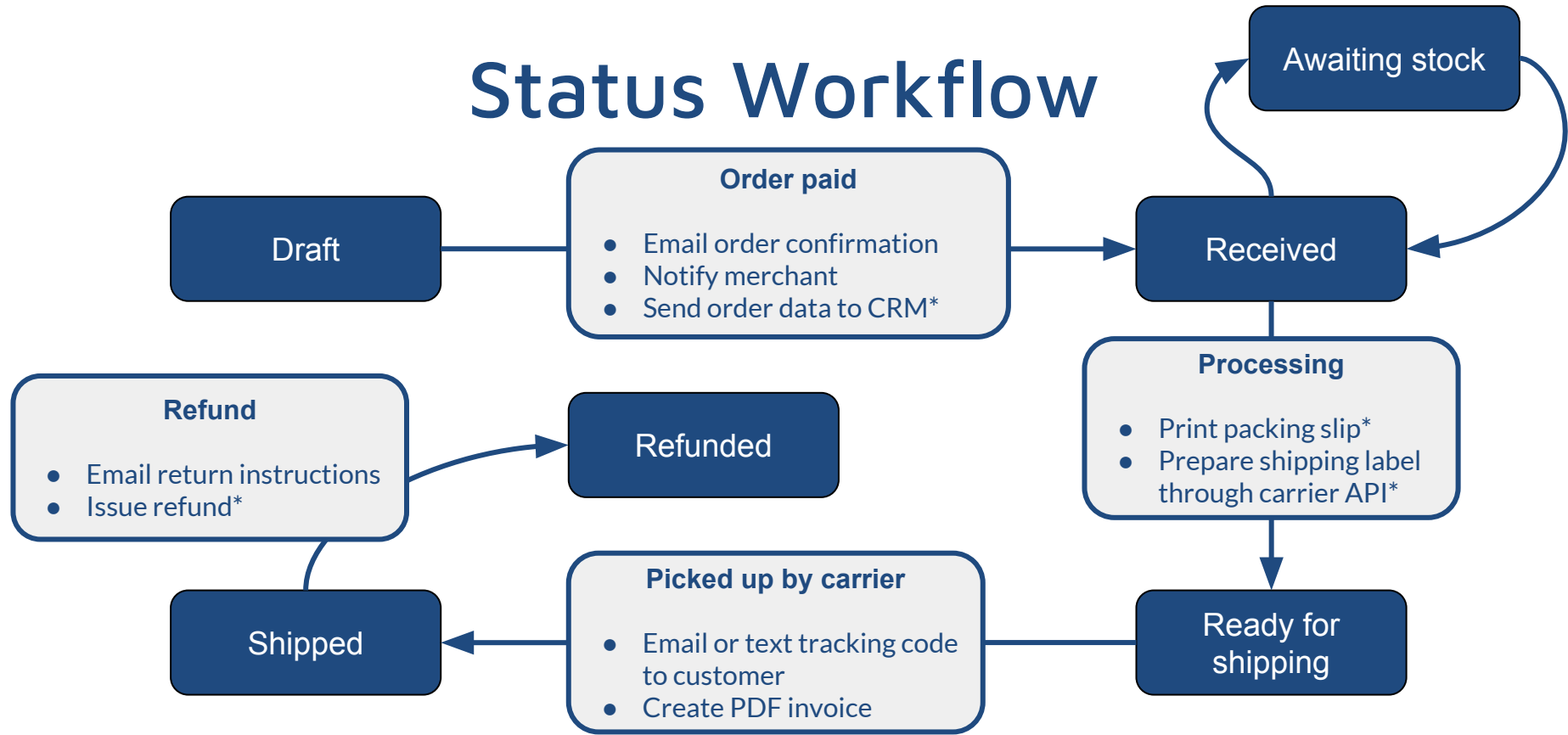
stripe adyen

Braintree

 PAYMILL

MultiSafepay   
Smart Payment Services

# Status Workflow



# Commerce is already incredibly powerful

*So where's v1.0?*



# Goals for Commerce 1.0

- Stable, consistent, well-tested and extendable architecture
- No need for additional breaking changes
- Plug & play functionality, covering majority of use cases

# Goals for Commerce 1.0

- Stable, consistent, well-tested and extendable architecture
- No need for additional breaking changes
- **Plug & play functionality covering majority of use cases**

# There's always one more:

“must-have” feature, payment gateway,  
discount type, CRM integration, live shipping  
rates, product field...

# Roadmap!

# Commerce 1.0 Feature Roadmap

## Mid 2018 edition

- Product Matrix
  - User & User Group discounts
  - Generating PDF invoices
  - Configurable order numbering
  - Tax summary report
  - Editing order address in backend
  - Dashboard permissions
  - Bulk and sale product prices
- “Stretch Goals”, not public:
- Full multi currency support
  - Free products
  - Better starter theme

# Commerce 1.0 Feature Roadmap

## Implemented in v0.12 (Dec '18):

- ~~Product Matrix~~
- ~~User & User Group discounts~~
- Generating PDF invoices
- ~~Configurable order numbering~~
- ~~Tax summary report~~
- ~~Editing order address in backend~~

## ● ~~Dashboard permissions~~

- Bulk and sale product prices

“Stretch Goals”, not public:

- Multi currency support
- Free products
- Better starter theme

# Features for v1.0

- Generating PDF invoices
- Bulk and Sale product pricing
- Multi-currency support
- Free products
- Better starter theme

# Features for v1.0

- **Generating PDF invoices**
  - Bulk and Sale product pricing
  - Multi-currency support
  - Free products
  - Better starter theme
- Requires a PDF Writer
    - Available: PDFCrowd
    - Extendable (e.g. mPDF)
  - Twig template > HTML > PDF
  - Set up in status workflow
  - Attach invoice to emails
  - Download from “My Orders”



# Invoice INV-00004

Natalia Terry  
O'Reilly Group  
4093 Abernathy Throughway  
994 Macie Rest  
Ceasarfort  
Burkina Faso

My Webshop  
**Order**      **00102**  
**Order Date**    **2019-03-21**  
**Invoice Date**   2019-03-21  
**Total**          £95.00  
**Status**         Received

## Items

	Product	Excluding Tax	Tax	Total
1	Curious kitten, 8 weeks old	£75.63	£14.37	£90.00
4	Redactor Single License	£0.00	£0.00	£0.00
	€5 shipping	£4.20	£0.80	£5.00
Subtotal		£79.83	£15.17	£95.00
Duitsland Standard VAT		19%	£15.17	

# Features for v1.0

- ~~Generating PDF invoices~~
- Bulk and Sale product pricing
- Multi-currency support
- Free products
- Better starter theme

# Features for v1.0

● ~~Generating PDF invoices~~

- **Bulk and Sale product pricing**
- **Multi-currency support**
- Free products
- Better starter theme

- “Product Pricing”
  - Replaces single price
  - Not fully backwards compatible
- Enable currencies in Config
- Add price types to products

## Edit Currency



Name

GBP



Alpha Code

GBP

Numeric Code

826

Number of subunits

2

The subunits indicate how many decimals amounts in this currency has. For most currencies this is 2, however some currencies have no subunits at all, or as much as 8.



Enabled for product pricing

When enabled, you can set pricing in this currency when editing products.

Formatting

Price (EUR)

€29.00

☰ Sale Price



Amount

€19.00

Starts on

21-03-2019

Expires on

07-04-2019

09:00

+01:00

23:59

+01:00



Percentage Sale Price



Bulk Prices



Sale Price

Price (GBP)

£25.00

☰ Sale Price



Amount

£16.00

Starts on

21-03-2019

Expires on

07-04-2019

09:00

+01:00

23:59

+01:00



Percentage Sale Price



Bulk Prices



Sale Price

Price (EUR)

€29.00

≡ Sale Price



Amount

€19.00

Starts on

21-03-2019

Expires on

07-04-2019

09:00

+01:00

23:59

+01:00

≡ Percentage Sale Price



Percentage Discount

34,00

Starts on

21-03-2019

Expires on

07-04-2019

09:00

+01:00

23:59

+01:00



Percentage Sale Price



Bulk Prices



Sale Price

Price (EUR)

€29.00

☰ Bulk Prices



Amount

Minimum

Maximum

€25.00

3

5



Amount

Minimum

Maximum

€22.00

6

9



Amount

Minimum

Maximum

€19.00

10



Add a row



Percentage Sale Price



Sale Price

```
/** @var \comProduct $product */
$product = $modx->getObject( className: 'comProduct', ['id' => 5]);
$currency = $commerce->getCurrency( code: 'EUR');

// Load the Pricing instance
$pricing = $product->getPricing($currency);

// Add a sale
$pricing->addPriceType(
    new Sale(
        new Price($currency, amount: 5900),
        new \DateTime( time: '2019-03-29 08:30'),
        new \DateTime( time: '2019-04-05 23:59')
    )
);

// Add bulk pricing
$pricing->addPriceType(
    (new Quantity($currency))
        ->add( minQuantity: 0, maxQuantity: 10, amount: 7900)
        ->add( minQuantity: 10, maxQuantity: 20, amount: 5900)
        ->add( minQuantity: 20, maxQuantity: null, amount: 4900)
);

// Save it
$product->savePricing($pricing);
```



# Features for v1.0

- ~~Generating PDF invoices~~
- **Bulk and Sale product pricing**
- **Multi-currency support**
- Free products
- Better starter theme

## Caveats:

- Not entirely backwards compatible with v0.x - particularly custom products
- Multi-currency support is limited to products (not yet shipping/payment fees)

# Features for v1.0

- ~~Generating PDF invoices~~
- ~~Bulk and Sale product pricing~~
- ~~Multi currency support~~
- Free products
- Better starter theme

# Features for v1.0

- ~~Generating PDF invoices~~
- ~~Bulk and Sale product pricing~~
- ~~Multi currency support~~
- **Free products**
- Better starter theme

- Automatically add a free product to cart when certain conditions are met
- Special thanks to Tony Klapatch (Rogue Clarity Studios)

Coupons



Expired Coupons



Coupon Usage



User Discounts



User Group Discounts



Free Products



## Free Products



Add Free Product

Free Product

Enabled

Allowed for Orders

Available From

[Redactor Single License](#)

Active

€79.00 and up

2019-03-18 at 08:00:00

[ContentBlocks - Single License](#)

Active

€299.00 and up

2019-03-18 at 08:00:00

[Redactor Unlimited License](#)

Active

€497.00 and up

2019-03-29 at 08:00:00

## Availability

☒ Active

Product

Redactor Single License ×

Excluded Products

None of the selected products may be in the cart for the free products to be added.

Require one of Products

At least one of the selected products must be in the cart for the free products to be added.

Required Products

All of the selected products must be in the cart for the free products to be added.

Available From

17-03-2019

08:00

Available Until

07-04-2019

08:00

Min. Order Total

€79.00

# Cart

You have 2 items in your cart

PRODUCT	PRICE	QUANTITY	TOTAL
<a href="#">ContentBlocks - Single License</a> Product Code: contentblocks	£79.00	<input type="text" value="1"/>	£79.00 incl. £13.71 tax <span>×</span>
<b>Redactor Single License</b> Product Code: REDACTOR-SINGLE	Free!		£0.00

## Cart Totals

Do you have a coupon?

Subtotal	£79.00
----------	--------

# Features for v1.0

- ~~Generating PDF invoices~~
- ~~Bulk and Sale product pricing~~
- ~~Multi currency support~~
- ~~Free products~~
- Better starter theme

# Features for v1.0

- ~~Generating PDF invoices~~
- ~~Bulk and Sale product pricing~~
- ~~Multi currency support~~
- ~~Free products~~
- **Better starter theme**

- Launch a store quickly
- More opinionated than default templates
- More ready-to-launch features
- With thanks to Menno Pietersen of Any Screen Size



Fruit

## Fruit

Filter by category: [All](#) [healthy](#) [protein](#)



### Fruit Shake

\$4.00–\$12.95

Choose from our 3 favorites: Banana, Strawberry or Chocolate! Deliciously made with real fruit and fake advertising.

[Learn more](#)[♥ Wishlist](#)

### Apple

\$5.00–\$6.00

Real fruit, and nothing but the fruit.

[Learn more](#)[♥ Wishlist](#)

### Pages

[Fruit](#)[Snacks](#)[Account](#)

### Quick links

[Account](#)[Profile](#)

### Fruit & Cookie Shop

First theme for Commerce, named "Red" even though its accent color is blue. Based on Bootstrap. Coming to modmore.com soon.

Snacks » Cookies



## Cookies

Our cookies are the best-est. They're delicious, guaranteed fresh, and super crispy.

Shape

Heart

Pack

10-pack

500 in stock **\$2.50**[Add to cart](#)

Cart

## Cart

1 items

[Checkout](#)[Star cookies \(10-pack\)](#)

Product Code: COOKIE-STAR-10P

- 1 +

**\$3.00**

Do you have a coupon?

Standard Shipping

**\$2.50****Total****\$5.50**

incl. \$0.95 tax

[Checkout](#)

### Free shipping

On all orders over €25

### Amazing support

Questions? Just give us a ring at (555) 1234 5678, ask for Joe

### Easy returns

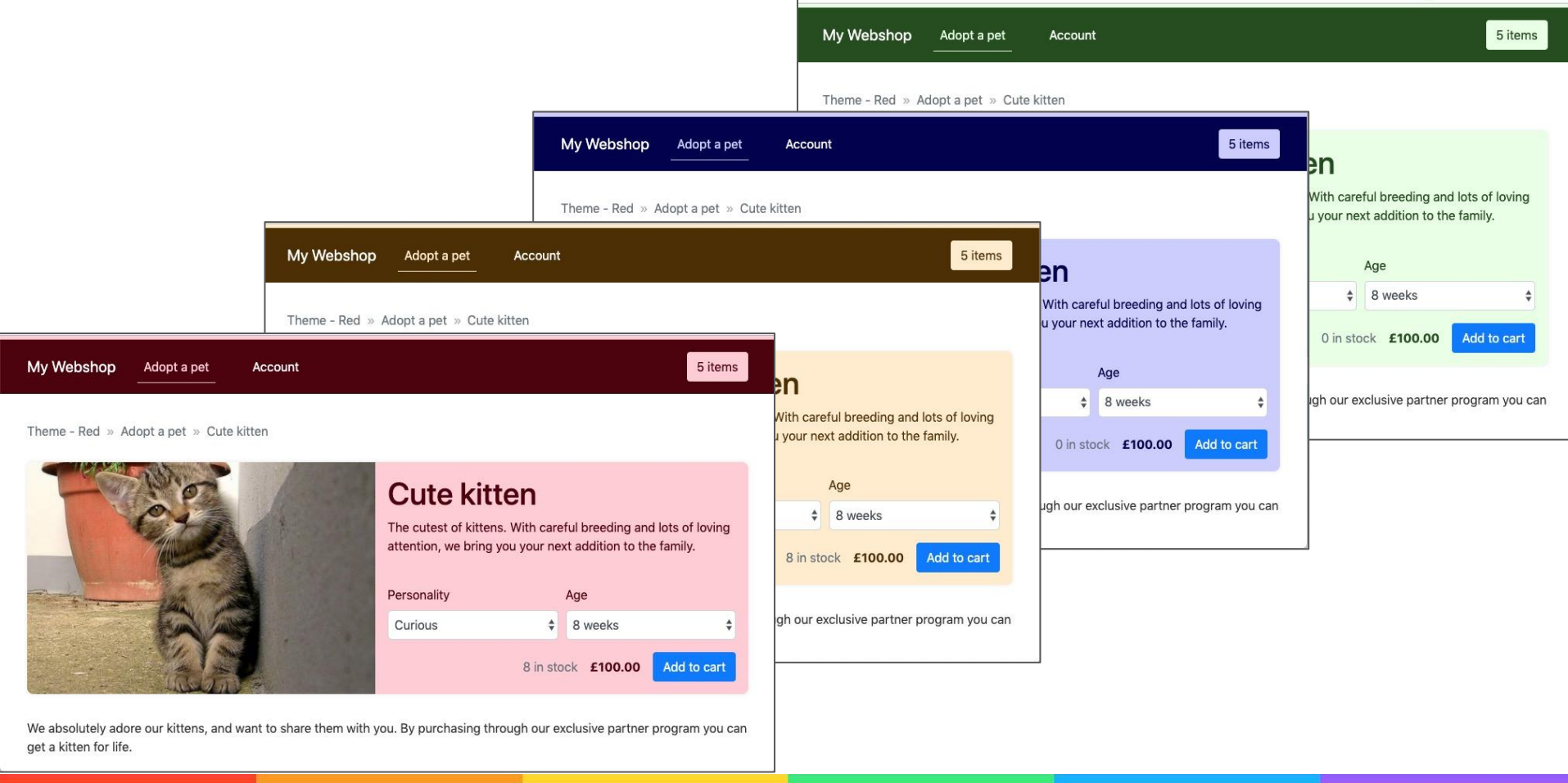
Doesn't fit with the family? Return label is included in the box.

# “Red” for Commerce: Features

- Card-based product listing with Tagger filter
- Product detail page, product selection based on a Product Matrix
- AJAX add to cart and mini-cart in the header
- AJAX cart (remove item, change quantity, add coupons) + Checkout
- Account section with login, update profile, update password, and previous orders list

# “Red” for Commerce: Technology

- Bootstrap 4.3
- Gulp workflow for compiling custom Sass
- Vanilla JavaScript for dynamic functionality
- Packages: pdoTools, Login, CSRFHelper
- Standard MODX templating, simple structures



# “Red” for Commerce: Licensing

- Premium “Starter Pack”
- €99 per license
- No free development licenses, and no license checks

# “Red” for Commerce: Availability

- Preview online: [theme-red.modmore.modxcloud.com](https://theme-red.modmore.modxcloud.com)
- Installable package + documentation coming in 2-3 weeks



# Features for v1.0

- ~~Generating PDF invoices~~
- ~~Bulk and Sale product pricing~~
- ~~Multi currency support~~
- ~~Free products~~
- ~~Better starter theme~~

# Commerce 1.0 Feature Roadmap

## Implemented in next release:

- ~~Product Matrix~~
- ~~User & User Group discounts~~
- ~~Generating PDF invoices~~
- ~~Configurable order numbering~~
- ~~Tax summary report~~
- ~~Editing order address in backend~~

- ~~Dashboard permissions~~
- ~~Bulk and sale product prices~~

“Stretch Goals”, not public:

- ~~Multi-currency support~~
- ~~Free products~~
- ~~Better starter theme~~

That can only mean  
one thing...

# Commerce 1.0 Feature Roadmap

## Updated: March 2019 | Release: 2024

- 20 extra payment integrations
- Integration with every shipping carrier in the EU
- Template Editor in dashboard
- Built-in kitten dispenser for stressful moments
- Rewrite tax handling again
- Global percentage discounts that always apply without needing to enter a coupon code
- Free product discounts with additional quantity
- Dynamic rendering product prices incl VAT
- Free shipping coupon code
- Sync resource products when saving a resource
- Auto-create account from guest address info
- Automatically create first product in a product list TV and disable linking
- Logic to determine total shipping costs with multiple shipments
- Abandoned cart emails
- MODX Dashboard Widgets
- Batch order management
- Expected delivery date calculation
- Update Stripe to v3
- Ebay/Amazon/Bol.com feeds
- Send emails asynchronously
- Real address validation



# Commerce 1.0 is now available!

# Commerce 1.0.0-rc1

- Now available as pre-release
- **Check the Upgrade Notes** in the docs under “Upgrades” for details about the breaking changes and manual upgrades

# Commerce 1.0.0-rc1

Features & improvements:

- Pricing, Free Products & Invoices as discussed
- New developer utilities (ClassUtility, Countries)
- Grids are now XSS-proof
- All dependencies updated

# Next few weeks:

- Fixing bugs and fine-tuning of new features on feedback
- Documentation and marketing page updates
  - Mostly pricing/currencies, new features in 1.0, and beta status
- 0.12.2 still considered latest “production version”
  - 1.0.0 stable expected early-mid May
- Finishing up “Red” starter theme



# After that...

- Stripe, Braintree and Adyen gateway updates
- Finishing FedEx shipping integration
- Publish new roadmap for v1.1 and beyond
  - Vote via **ideas.modmore.com**

# Let's celebrate v1.0!

- **Free theme “Red” license** for everyone
- Free Redactor, MoreGallery or ContentBlocks license
- **€100 discount** on a Commerce license
- **See instructions in goodie bag on how to claim**
- Valid until May 1st, 2019

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