

MARKETPLACE USER GUIDE

Dynamic Cart Progress

Show shoppers how close their cart is to the next reward

Dynamic Cart Progress adds a configurable reward-progress display to the Mini Cart and the Cart Page of your Magento Open Source storefront. You create campaigns with one or more reward milestones; shoppers see how much more they need to add to reach each one, and the reward code once they reach it. This guide covers installation, configuration, every campaign setting, what shoppers see, and how to pair a campaign with a Magento Cart Price Rule so a reward is actually granted.

PRODUCT

MageEnv Dynamic Cart Progress

VERSION

1.0.2

OPTIONAL COMPANION (FREE)

MageEnv Dynamic Cart Progress Hyvä

APPLIES TO

Magento Open Source 2.4.8 – 2.4.9

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Read the guide once from the top: it is ordered the way you will set the product up. After that, use the section numbers for cross-reference. The PDF bookmarks mirror this list.

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Understand the product

Before you install anything, it is worth being precise about what this extension is. It is a communication layer: it tells shoppers how close they are to a reward you have defined. It never changes what a shopper pays. Section 3, "What it does not do", is the most important page in this guide.

1 · Product overview 2 · What it does 3 · What it does not do

SECTION 1

Product overview

Dynamic Cart Progress shows shoppers a reward-progress display in the **Mini Cart** and on the **Cart Page**. It tells them how close their order is to the next reward you have configured, for example *"Add \$37.00 more to unlock 10% Off"*, and lists the reward tiers.

You define the rewards in a **campaign**. A campaign contains one or more **milestones**; each milestone is a **Target Amount** paired with a **Reward Label** (the shopper-facing name of the reward, such as *Free Shipping* or *10% Off*), with an optional **Reward Code** and **Completion Message**. As the cart subtotal grows, the display fills toward the next milestone and then toward the one after that.

Two facts define the product:

- **It is merchant-configurable.** You control the milestones, the targeting (which websites and customer groups see a campaign), the schedule, the calculation basis, and the visual style, all from the Magento Admin, with no code.
- **It is read-only.** The progress display never modifies the quote, the subtotal, shipping, tax, or the checkout flow. It reads the cart and shows a progress visual; nothing more.

The display appears in two places: inside the Mini Cart, and on the Cart Page above the list of items. Each place has its own presentation, described in Sections 18 and 19.

2 Items in Cart

Cart Subtotal :
\$63.00

NEXT REWARD

10% Off

✓ 1 SECURED

Just \$37.00 away

then 15% Off

Proceed to Checkout



Ceramic Coffee Mug

\$18.00

Qty:



Leather Wallet

\$45.00

Qty:

[View and Edit Cart](#)

S-02 The Mini Cart display: the Reward Card.
A *1 secured* badge appears once a reward is earned.

MageEnv Dynamic Cart Progress 1.0.2

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Everywhere this guide says a shopper “earns”, “unlocks” or “secures” a reward, it means the cart has reached that milestone's Target Amount and the display now shows it as reached. Whether the shopper actually receives a discount depends entirely on the Cart Price Rule you set up alongside the campaign.

PART II

Get it running

Confirm your platform, install the core module (and, on a Hyvä storefront, the free companion module), then set the global switches. After this part you will have an empty campaign grid, ready for your first campaign.

4 · Requirements 5 · Install (Luma) 6 · Install (Hyvä) 7 · Configuration

SECTION 4

Requirements and compatibility

Magento Open Source	2.4.8 – 2.4.9. Not 2.4.7. Not tested on 2.4.10 / 2.5.
Adobe Commerce	2.4.8 – 2.4.9: expected to be compatible; not independently tested (see Section 25).
PHP	The extension's code is compatible with PHP 8.3, 8.4 and 8.5. Run it on the PHP version your Magento release officially supports (see the note below).
Storefront theme	Luma: this package. Hyvä: via the free companion module (Section 6).
Admin access	An administrator account with the Dynamic Cart Progress → Campaigns permission, and, to change the global switches, the Dynamic Cart Progress configuration permission.

MAGENTO'S SUPPORTED PHP VERSIONS VS. THE EXTENSION'S

The PHP row above describes the versions the extension's own code runs on. It is not a statement about which PHP versions Magento supports. Each Magento Open Source release has its own officially supported PHP versions, published by Adobe in the release's system requirements. Always run Magento on a PHP version that Adobe lists as supported for your specific release; do not assume a particular Magento + PHP pairing is supported just because the extension permits that PHP version.

2.4.7 is not a target. Composer's dependency rules may allow the package to install on 2.4.7, but it was not tested there and 2.4.7 is not supported. Do not install it on 2.4.7.

Dependencies on Magento's Store, Customer, Backend, Ui, Quote and Checkout modules are declared in the package and resolved automatically by Composer. There are no manual dependency steps.

Adobe Commerce. The extension is expected to be compatible with Adobe Commerce 2.4.8 – 2.4.9 because it uses the shared framework, but this was not independently tested. Adobe Commerce staging, B2B and website-scope admin-role behaviour was not exercised.

SECTION 5

Installing the core module (Luma)

Install with Composer and enable the module:

```
# 1. Require the package
composer require mageenv/module-dynamic-cart-progress
# 2. Enable and run setup
bin/magento module:enable MageEnv_DynamicCartProgress
bin/magento setup:upgrade
# 3. Production mode only: compile and deploy static content
bin/magento setup:di:compile
bin/magento setup:static-content:deploy
# 4. Always
bin/magento cache:flush
```

WHICH COMMANDS, IN WHICH MODE

In developer or default mode, run `setup:upgrade` then `cache:flush`. In production mode, also run `setup:di:compile` and `setup:static-content:deploy` before `cache:flush`, so the admin UI components and storefront assets are generated.

The module adds four database tables (`mageenv_dcp_campaign`, `mageenv_dcp_campaign_website`, `mageenv_dcp_campaign_customer_group`, `mageenv_dcp_milestone`). No data is imported and no existing data is changed.

Upgrading from 1.0.0 or 1.0.1

Run the same commands. Your campaigns, milestones and settings are kept as they are, and the database is not changed. 1.0.2 adds the **Cart Page Position** setting (Section 7); it defaults to *Above Cart Items*, so the bar stays where it was until you change it. On Hyvä, update the companion module to 1.0.2 as well. In production mode, `setup:di:compile` and `setup:static-content:deploy` are required.

Verify the installation

- `Marketing` → `Dynamic Cart Progress` → `Campaigns` appears in the Admin menu and opens an empty grid with an **Add New Campaign** button.
- `Stores` → `Configuration` → `MageEnv` → `Dynamic Cart Progress` appears, with **Enabled** set to **Yes** by default.

For a store that already runs the extension in `app/code` (a non-Composer install), skip step 1 and run steps 2–4.

SECTION 6

Installing the Hyvä companion module

Install this module **in addition to** the core module on any installation that has a store view running a Hyvä theme. Its layout applies only to store views that use a Hyvä theme, so in an installation where some store views use Luma and others use Hyvä, each store view shows its own theme's display. A store that uses only Luma does not need it.

Prerequisites: a Hyvä theme, and the core module from Section 5 already installed. The companion module is free and open source (OSL-3.0); its source is published at github.com/mageenvm2/module-dynamic-cart-progress-hyva.

```
composer require mageenv/module-dynamic-cart-progress-hyva
bin/magento module:enable MageEnv_DynamicCartProgress MageEnv_DynamicCartProgressHyva
bin/magento setup:upgrade
bin/magento setup:di:compile                # production mode only
bin/magento setup:static-content:deploy    # production mode only
bin/magento cache:flush
```

The companion module contains no configuration and no business logic. Every setting, every campaign, and all behaviour described in this guide is identical on Hyvä, and the display looks the same on both themes; only the storefront rendering technology differs (Alpine.js instead of Knockout.js). Configure everything from the same Admin screens.

Mini Cart placement on customised themes

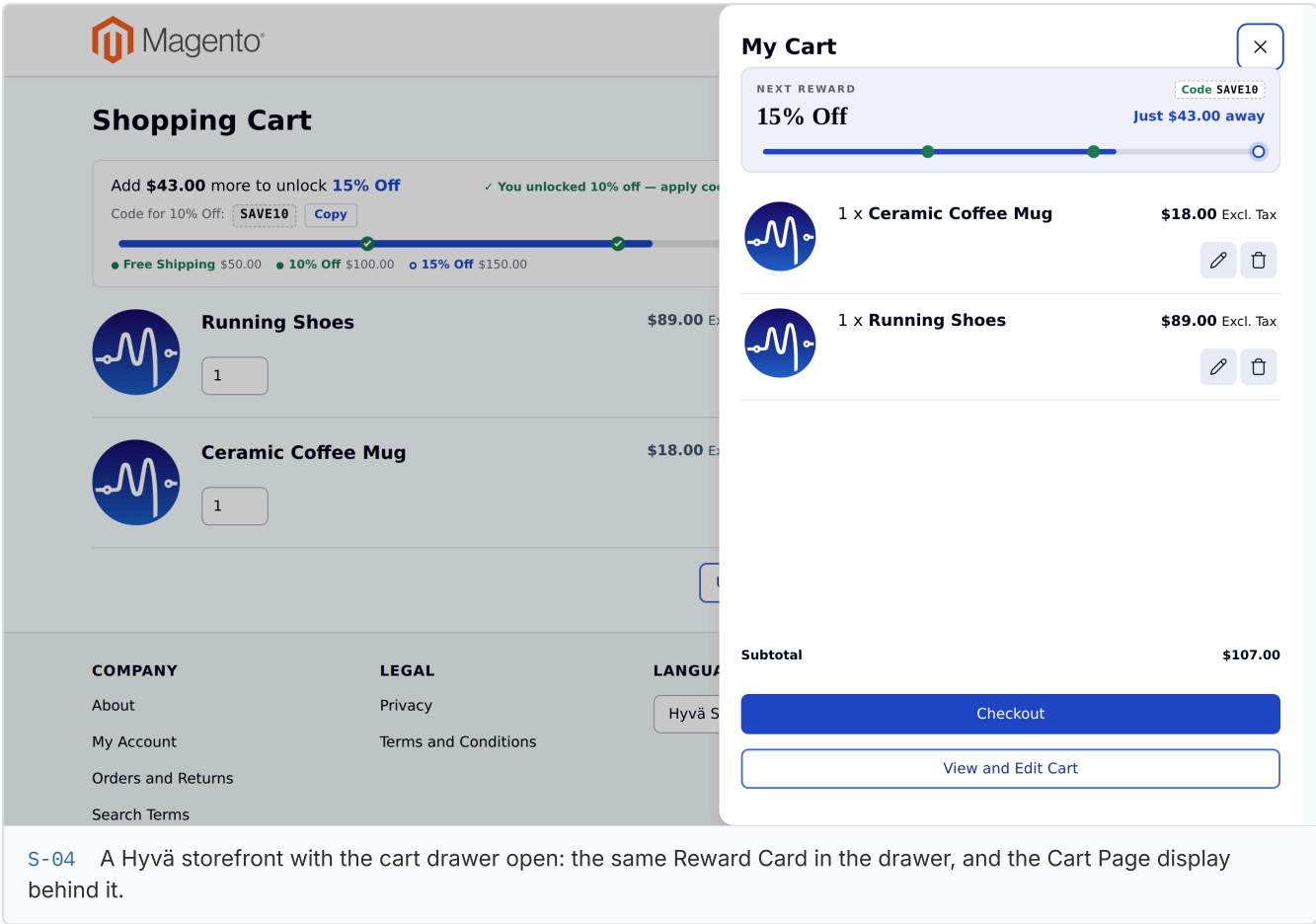
On the Hyvä default theme the Mini Cart display renders inside the cart drawer automatically, above the item list. On a heavily customised cart-drawer template, add one line above the item list in that template:

```
<?=$block->getChildHtml('mageenv.dcp.minicart.progress') ?>
```

The Cart Page display needs no template change; its position is set in the Admin (Section 7). This one snippet is the only place an agency or developer might be involved.

VERIFIED ON HYVÄ

The companion module was verified in the Hyvä default theme (theme module 1.5.2) on Magento 2.4.9: Mini Cart and Cart Page, all four progress styles, desktop and mobile. See Section 25.



S-04 A Hyvä storefront with the cart drawer open: the same Reward Card in the drawer, and the Cart Page display behind it.

SECTION 7

Configuration — Stores → Configuration

Open Stores → Configuration → MageEnv → Dynamic Cart Progress . There are three groups.

General

- **Enabled:** the global on/off switch for the whole extension. When set to *No*, no progress display is shown anywhere, regardless of any campaign.

Display

- **Mini Cart Enabled:** global on/off for the Mini Cart location.
- **Cart Page Enabled:** global on/off for the Cart Page location.
- **Cart Page Position:** where the bar appears on the Cart Page. *Above Cart Items* (default) places it above the item list; *Order Summary: Top* places it at the top of the Order Summary, under its title; *Order Summary: Below Totals* places it under the order total, just above the **Proceed to Checkout** button.

Calculation Defaults

- **Default Tax Calculation** and **Default Discount Calculation:** these only pre-fill the matching fields when you create a *new* campaign. Changing them later has no effect on campaigns that already exist; each campaign keeps its own saved value.

All three groups can be set at the default scope or per website; the Display settings can also be set per store view.

ORDER SUMMARY AND THE PROGRESS STYLES

The Order Summary is narrower than the main cart area. Every style fits there; with four or more milestones, *Segmented Bar*, *Linear Marker* and *Simple Fill* read best, and short reward names (for example *Free Gift*) work better than long sentences. *Step Indicator* switches to numbered steps with the reward list underneath when the space is too narrow for the names.

Summary

Estimate Shipping and Tax

Subtotal	\$63.00
Discount	-\$9.99
Shipping (Standard Shipping - Fixed)	\$9.99

Order Total **\$63.00**

Add **\$17.00** more to unlock

20% OFF

✓ 10% OFF unlocked

Code for 10% OFF: **SAVE10**

Copy



● 10% OFF \$60.00

○ 20% OFF \$80.00

○ 30% OFF \$100.00

Proceed to Checkout

[Check Out with Multiple Addresses](#)

S-05 *Order Summary: Below Totals* on Luma: the bar sits under the order total, right above **Proceed to Checkout**.

Placement on customised themes

The three positions use Magento's standard cart containers, so they work on Luma, Hyvä and most themes built on them. If your theme renames the Order Summary, a developer can move the bar with one line of layout XML in the theme's `Magento_Checkout/layout/checkout_cart_index.xml`, while **Cart Page Position** is *Above Cart Items*:

```
<move element="mageenv.dcp.cart.progress"
      destination="your.summary.container"
      after="checkout.cart.totals.container"/>
```

On Hyvä the block is named `mageenv.dcp.cart.progress.hyva`.

WHEN A LOCATION ACTUALLY SHOWS

A location shows the display only when all of these are true: the global **Enabled** switch is on; that location's global switch (**Mini Cart Enabled** or **Cart Page Enabled**) is on; the winning campaign's **Show in Mini Cart / Show on Cart Page** is on; the campaign's **Status** is *Enabled*; today is inside the campaign's date window; the cart's website and the shopper's customer group both match the campaign; the campaign has at least one milestone; and the cart is not empty.

DASHBOARD

SALES

CATALOG

CUSTOMERS

MARKETING

CONTENT

REPORTS

STORES

SYSTEM

FIND PARTNERS & EXTENSIONS

Configuration

Scope: Default Config

?

Save Config

GENERAL

SECURITY

CATALOG

CUSTOMERS

SALES

MAGEENV

Dynamic Cart Progress

SERVICES

ADVANCED

General

Enabled

Yes

Global kill switch for the whole extension. When disabled, no progress bar is shown anywhere.

Display

Mini Cart Enabled

Yes

Global control for the Mini Cart location. The effective behavior is: global Enabled AND this AND the campaign's "Show in Mini Cart".

Cart Page Enabled

Yes

Global control for the Cart Page location. The effective behavior is: global Enabled AND this AND the campaign's "Show on Cart Page".

Cart Page Position

Above Cart Items

Where the progress bar appears on the Cart Page. "Order Summary: Below Totals" places it under the order total, above the Proceed to Checkout button. Custom themes can still move the block with layout XML (see the user guide).

Calculation Defaults

Default Tax Calculation

Subtotal Excluding Tax

Pre-selected in the "Calculate Progress Using" field when creating a new campaign. Existing campaigns keep their own value.

Default Discount Calculation

Before Discounts

Pre-selected in the "Discount Calculation" field when creating a new campaign. Existing campaigns keep their own value.

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Magento ver. 2.4.9

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The configuration section with all three groups expanded. Each field carries the description text shown here.

PART III

Build a campaign

These ten sections follow the campaign form from top to bottom: the general details, who sees the campaign, when it runs, how progress is measured, the reward milestones themselves, and finally the visual style. Sections 9–17 map one-to-one onto the form's sections.

8 · The form 9–10 · Who Sees It 11 · Priority 12 · Scheduling 13–15 · Calculation & currency 16 · Milestones 17 · Styles

SECTION 8

Creating a campaign — the form

Go to **Marketing → Dynamic Cart Progress → Campaigns** and choose **Add New Campaign**. The form is organised into sections that this guide covers in order:

- **General:** Campaign Name, Status, Priority, From Date, To Date (Sections 11–12).
- **Who Sees It:** Websites, Customer Groups (Sections 9–10).
- **Display Locations:** Show in Mini Cart, Show on Cart Page.
- **Progress Calculation / Display:** Progress Style, Calculate Progress Using, Discount Calculation (Sections 13–14, 17).
- **Milestones:** the reward tiers (Section 16).

Use **Save** or **Save and Continue Edit**. The grid then lists the campaign, where you can change Status inline or from the Actions menu.

The examples throughout this guide use one sample campaign, **“Spring Rewards”**: Status *Enabled*, Priority *10*, one website, customer groups *General* and *NOT LOGGED IN*, both display locations on, Progress Style *Segmented Bar*, Calculate Progress Using *Subtotal Excluding Tax*, Discount Calculation *Before Discounts*, and three milestones: *\$50 → Free Shipping*, *\$100 → 10% Off* (code *SAVE10*), *\$150 → 15% Off* (code *SAVE15*).

The screenshot shows the 'Spring Rewards' campaign form. The top navigation bar includes a search icon, a notification bell with a red '1', and a user profile 'admin249'. The sidebar menu on the left contains icons for Dashboard, Sales, Catalog, Customers, Marketing, Content, Reports, Stores, System, and Find Partners & Extensions. The form itself has a title 'Spring Rewards' and a search icon. Below the title is a toolbar with 'Back', 'Delete', 'Save and Continue Edit', and a 'Save' button. The form is divided into two sections: 'General' and 'Who Sees It'. The 'General' section includes fields for 'Campaign Name' (Spring Rewards), 'Status' (Enabled), 'Priority' (10), 'From Date', and 'To Date'. The 'Who Sees It' section includes a field for 'Websites' (Main Website). Each field has a help text below it.

S-07 The top of the campaign form: the General section, with the Who Sees It section beginning below. Each field shows its help text.

Progress Calculation / Display

Progress Style

Segmented Bar

Presentation only - this does not change how progress is calculated. Segmented Bar: a bar to scale with a dot for each reward. Linear Marker: a thin line with a tick for each reward and a pin showing the cart total. Step Indicator: evenly spaced numbered steps, like a checkout progress bar. Simple Fill: one bar that fills toward the next reward.

Calculate Progress Using

Subtotal Excluding Tax

Discount Calculation

Before Discounts

S-08 The Progress Calculation / Display section: Progress Style, Calculate Progress Using and Discount Calculation, also covering Sections 13, 14 and 17.

SECTION 9

Who Sees It — website targeting

In the **Who Sees It** section, **Websites** is a multi-select. Select every website the campaign should run on. A store view belongs to a website, so the campaign is eligible whenever the shopper is browsing a store view of a selected website.

A WEBSITE AND A CUSTOMER GROUP ARE BOTH REQUIRED

A campaign with no website selected, or no customer group selected, cannot be saved. The form rejects it with a clear message.

Website assignment controls *where a campaign displays*. It does not restrict which administrators may edit the campaign; see Section 25.

If you assign one campaign to several websites that have different base currencies, read Section 15 carefully: the milestone Target Amount numbers are read in each website's own base currency with no conversion.

Who Sees It

Websites *

Main Website

Select every website the campaign should run on.

Customer Groups *

NOT LOGGED IN

General

Wholesale

Retailer

Select every customer group that should see the campaign.

S-09 The Who Sees It section. Here the campaign targets Main Website and the customer groups NOT LOGGED IN and General.

Who Sees It — customer-group targeting

Customer Groups is the second multi-select in Who Sees It. Select every group that should see the campaign.

- **NOT LOGGED IN** targets guest shoppers.
- **General, Wholesale**, and any custom group target signed-in customers who are currently in that group.

The campaign is eligible only when the shopper's current group is in the list. A common mistake is to target only *General* and then wonder why guests see nothing: add *NOT LOGGED IN* as well if guests should see the campaign.

Combined with Section 9: a campaign is a *candidate* for a cart only when the cart's website is in Websites *and* the shopper's group is in Customer Groups (and the campaign is enabled and inside its date window). Which candidate actually displays is decided by Priority, Section 11.

Campaign Priority

ONE CAMPAIGN DISPLAYS PER CART

Exactly one campaign is ever shown for a given cart. When more than one enabled campaign matches the cart's website and customer group and falls inside its date window, the one with the **highest Priority** wins. If two matching campaigns have the same priority, the **most recently created** one wins.

Priority is a whole number. Higher wins. Negative values are allowed. The field help text reads: *"Higher priority wins when more than one campaign matches a cart."*

Worked example

Two campaigns both target *Main Website / NOT LOGGED IN* and both are enabled and in-window:

CAMPAIGN	PRIORITY	RESULT FOR A MATCHING GUEST CART
VIP Guest Offer	20	Displayed: higher priority
General Guest Offer	10	Not displayed while the other one matches

If both were priority 20, the campaign created later would display. Plan your priorities so that a broad "fallback" campaign sits below any narrower campaigns that should override it.

Scheduling — From Date / To Date

In the General section, **From Date** and **To Date** are both optional. Leave both blank for an always-on campaign.

- Dates are **date-only** and use the **store time zone**.
- Both ends are **inclusive**. A To Date of the 30th includes all of the 30th, in the store time zone.
- From Date may equal To Date for a one-day campaign. From Date cannot be later than To Date.
- Outside its window a campaign is treated as inactive even if Status is *Enabled*, and another matching campaign (if any) displays instead.

The field help text reads *"Optional. The campaign is inactive before this date (store time zone)." and "...inactive after this date ..."*. These fields appear in the form figure in Section 8.

SECTION 13

Progress Calculation — tax / subtotal

In **Progress Calculation / Display**, the field **Calculate Progress Using** has two options:

- **Subtotal Excluding Tax** (default)
- **Subtotal Including Tax**

This chooses which subtotal figure is compared against the milestone Target Amount values. Choose *Subtotal Including Tax* when your target amounts are meant to be the gross figures a shopper recognises from the totals area of the cart. The field help text: *"Choose whether the cart subtotal used for the progress bar includes or excludes tax."*

PROGRESS IS ALWAYS SUBTOTAL-BASED

Shipping, gift wrapping, store credit, gift cards and reward points are never part of the figure the display measures. Only the cart subtotal is used, in the tax mode you select here.

SECTION 14

Progress Calculation — discounts

The field **Discount Calculation** has two options:

- **Before Discounts** (default): progress is measured against the subtotal *before* any cart-level discount is applied.
- **After Discounts**: progress is measured against what the customer will actually pay after cart discounts.

The extension's own help text summarises it: *"'Before Discounts' measures the subtotal before any cart discount; 'After Discounts' measures what the customer will actually pay."*

Choose *After Discounts* if a shopper who already has a coupon applied should see progress based on their discounted subtotal. Combined with the tax choice from Section 13, four combinations are possible; the default is *Subtotal Excluding Tax + Before Discounts*.

SECTION 15

Currency and website behaviour

MILESTONE AMOUNTS ARE IN EACH WEBSITE'S BASE CURRENCY — NO CONVERSION

A milestone **Target Amount** is a plain number. It is read in the **base currency of the website** where the campaign is displayed. If one campaign is assigned to websites with different base currencies, the same number is interpreted separately in each website's base currency. The extension does not perform any exchange-rate conversion.

So a Target Amount of **100** is a \$100 threshold on a USD website and a €100 threshold on a EUR website: the same number, a different economic value. The admin form shows this note directly under the Milestones section.

Amounts in the progress display are formatted in the shopper's chosen display currency; Magento converts the presentation of the amount for display, but the milestone target itself is never converted.

RECOMMENDATION

For the same economic threshold across websites with different base currencies, create **one campaign per currency**, each targeting the matching website with the correct number for that currency.

SECTION 16

Milestone configuration

A campaign needs at least one milestone. There is no upper limit; long campaigns are shown compactly (Section 19). Each row in the **Milestones** grid has:

Target Amount	Required. Greater than zero. The cart subtotal (in the mode from Sections 13–14) at which this reward is reached. A plain number in the website's base currency (Section 15).
Reward Label	Required. The shopper-facing name of the reward, for example <i>Free Shipping, 10% Off</i> .
Reward Code	Optional. A coupon code shown to the shopper, with a Copy button, only after they reach this milestone. The extension does not create or apply it. See Section 20.
Completion Message	Optional. A custom line shown on the Cart Page once the shopper has reached this milestone, for example <i>Your order now ships free</i> . If left blank, the display shows <i><Reward Label> unlocked</i> .

MILESTONE ORDER

Enter rows in **ascending** Target Amount order, with no duplicate amounts and every amount greater than zero. The form rejects out-of-order or duplicate targets on save, with a message naming the row. Use the drag handle to reorder rows; choose **Add Milestone** to add one.

TARGET AMOUNT	REWARD LABEL	REWARD CODE
50	Free Shipping	—
100	10% Off	SAVE10
150	15% Off	SAVE15

Milestones

Add each reward tier in ascending order of target amount. Example: Target Amount "100", Reward Label "20% OFF", Reward Code "SAVE20". Reward Code and Completion Message are optional.

Milestone target amounts use the base currency of the website where the campaign is displayed. If this campaign is assigned to websites with different base currencies, the same numeric target is interpreted separately in each website's base currency. The extension does not automatically convert amounts between currencies.

Target Amount *	Reward Label *	Reward Code	Completion Message
50	Free Shipping		Your order now sh
100	10% Off	SAVE10	You unlocked 10%
150	15% Off	SAVE15	You unlocked 15%
<button>Add Milestone</button>			

S-10 The Milestones grid with the three sample rows, the drag handles, Add Milestone, and the currency note.

SECTION 17

Progress styles — the four options

Progress Style (in **Progress Calculation / Display**) controls only the look of the progress visual, on the Cart Page and in the Mini Cart. It does not change how progress is calculated or which rewards are shown. Each campaign picks one. The field help text begins: *"Presentation only - this does not change how progress is calculated."*

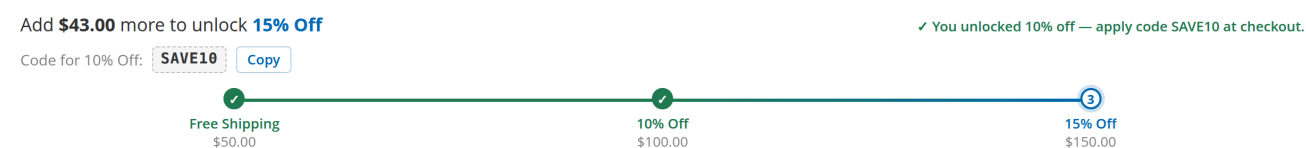
The four figures below show the identical cart (\$107.00 in the sample campaign) so you can compare like for like.



S-11 **Segmented Bar** (default): a bar to scale with a dot for each reward.



S-12 **Linear Marker**: a thin line with a tick for each reward and a pin showing the cart total.



S-13 **Step Indicator**: evenly spaced numbered steps, like a checkout progress bar. Not to scale.

Add **\$43.00** more to unlock **15% Off**
✓ You unlocked 10% off — apply code SAVE10 at checkout.

Code for 10% Off: **SAVE10** Copy

\$100.00

15% Off at \$150.00

S-14 Simple Fill: one bar that fills from the last reward reached (\$100.00) to the next one (15% Off at \$150.00).

PRESENTATION ONLY

Changing **Progress Style** never changes the comparable subtotal, the milestones, the percentages, or the messages. It is safe to change on a live campaign.

PART IV

See the result

What a shopper actually sees in each location, how a milestone becomes a real discount through a Magento Cart Price Rule, and what the display looks like once every reward is earned.

18 · Mini Cart 19 · Cart Page 20 · Reward codes & Cart Price Rules 21 · Completion

SECTION 18

The Mini Cart experience (Reward Card)

In the Mini Cart the display is the **Reward Card**, a compact card with a **fixed height**, so it never pushes the cart items down as rewards are earned. It shows a *Next reward* eyebrow, the next reward's name, the distance to it as *Just \$X away*, a hint of what comes next as *then <reward>*, and the progress line in the campaign's Progress Style.

- Once one or more rewards are earned, a *<N> secured* badge appears.
- When an earned milestone has a **Reward Code**, the badge shows the code instead (for example *Code SAVE10*). Clicking it copies the code.
- Each milestone marker is a small button. Hovering it, or moving keyboard focus to it, reveals the reward name, its target (*Reach \$X* or *Unlocked at \$X*), and the distance (*\$X more* or *Secured*).
- On phones and in narrow mini cart dropdowns, the reward name and the distance stack; the card keeps the same height.

NEXT REWARD

Free Shipping

Just \$5.00 away

then 10% Off

S-15 Cart subtotal \$45.00, nothing earned yet: Free Shipping, *Just \$5.00 away, then 10% Off*.

NEXT REWARD

10% Off

Just \$37.00 away

then 15% Off

S-16 Cart subtotal \$63.00: Free Shipping earned, the *1 secured* badge shown, now *Just \$37.00 away* from 10% Off.

NEXT REWARD

Code SAVE10

15% Off

Just \$43.00 away

S-17 Cart subtotal \$107.00: 10% Off earned; the badge shows its code, *Code SAVE10*, which copies on click.

NEXT REWARD

Code SAVE18

20% Off

Just \$16.01 away
then Free Return Label

S-18 A ten-milestone campaign: the markers stay readable and the card keeps its height.

SECTION 19

The Cart Page experience

On the Cart Page (above the item list by default, or in the Order Summary, see Section 7), the display is one sentence, one bar and the reward tiers. It uses your store's own font and keeps a compact height.

- **The sentence** states the gap and the next reward: *Add \$X more to unlock <reward>*.
- **A green note** confirms the last reward reached. It shows that milestone's **Completion Message** when set, otherwise *<reward> unlocked*.
- **An earned Reward Code** appears with a **Copy** button (Section 20).
- **The bar**, in the campaign's Progress Style.
- **The reward tiers** under the bar: each reward with its Target Amount, marked as reached, next, or upcoming.

For a long campaign (more than five milestones), the tier list keeps the next reward and its neighbours in view and folds the rest into *+ N earlier* and *+ N more* entries. With *Step Indicator* and more than five milestones, only the next step is labelled. Reward names under the steps wrap onto two lines; when the box is too narrow for that many names (for example in the Order Summary or on a phone), the steps show their numbers only and the reward list appears underneath.

Add \$5.00 more to unlock **Free Shipping**

Free Shipping \$50.00
10% Off \$100.00
15% Off \$150.00

S-19 The sample campaign at a cart subtotal of \$45.00: the sentence, the bar, and the reward tiers.

Add \$16.01 more to unlock **20% Off**

✓ 18% Off unlocked

Code for 18% Off: **SAVE18** Copy

+ 5 earlier
18% Off \$180.00
20% Off \$220.00
Free Return Label \$260.00
+ 2 more

S-20 A ten-milestone campaign: earlier tiers fold into *+ 5 earlier* and later ones into *+ 2 more*, keeping the next tier, 20% Off, in view.

Add \$16.01 more to unlock **20% Off**

✓ 18% Off unlocked

Code for 18% Off: **SAVE18** Copy

7
20% Off \$220.00
8
9
10

S-21 The same campaign with *Step Indicator*: only the next step is labelled.

Shopping Cart

Add **\$43.00** more to unlock **15% Off**

✓ You unlocked 10% off — apply code **SAVE10** at checkout.

Code for 10% Off: **SAVE10** [Copy](#)

Progress bar: 10% Off reached (100.00), 15% Off (150.00) not reached.

● Free Shipping \$50.00 ● 10% Off \$100.00 ○ 15% Off \$150.00

Estimate Shipping and Tax	
Subtotal	\$107.00
Discount	-\$9.99
Shipping (Standard Shipping - Fixed)	\$9.99
Order Total	\$107.00
Proceed to Checkout	
Check Out with Multiple Addresses	



Running Shoes

S-22 On a phone the sentence, the code and the tier list wrap; nothing is cut off.

SECTION 20

Reward codes and Magento Cart Price Rules

This is the section to get right. It is where a reward stops being a message and becomes real.

THE EXTENSION SHOWS PROGRESS; IT DOES NOT GRANT THE REWARD

Dynamic Cart Progress never applies a discount, creates a coupon, or changes a total. To actually give the shopper the reward, create a Magento **Cart Price Rule** (at [Marketing → Cart Price Rules](#)) with conditions that match the milestone. The two are configured independently and are kept in step by you.

Two common patterns

- Automatic reward, no code.** Create a Cart Price Rule with *Coupon = No Coupon*, its Conditions set to the same subtotal threshold as the milestone, and the discount or free-shipping action. Leave the milestone's Reward Code blank. Magento applies the rule automatically when the cart qualifies; Dynamic Cart Progress shows the shopper how close they are.
- Coupon code.** Create a Cart Price Rule with *Coupon = Specific Coupon* and a *Coupon Code*, plus matching Conditions. Enter that same code in the milestone's **Reward Code**. Once the shopper reaches the milestone, the code appears on the Cart Page with a **Copy** button and in the Mini Cart card; the shopper applies it in the cart. When several reached milestones have codes, the display shows the code of the highest one.

Add **\$43.00** more to unlock **15% Off**

✓ You unlocked 10% off — apply code **SAVE10** at checkout.

Code for 10% Off: **SAVE10** [Copy](#)

Progress bar: 10% Off reached (100.00), 15% Off (150.00) not reached.

● Free Shipping \$50.00 ● 10% Off \$100.00 ○ 15% Off \$150.00

S-23 Cart subtotal \$107.00: 10% Off reached. Its Completion Message shows in green, and its code SAVE10 appears with a Copy button.

REWARD-CODE SECURITY

A milestone's Reward Code is sent to a shopper's browser **only after** that shopper has reached the milestone. A code for a not-yet-earned tier is never exposed to the shopper. Even so, always set the matching Conditions (for example a minimum subtotal) on the Cart Price Rule, so the rule enforces the threshold on its own regardless of how a shopper obtains the code.

Keep the two in sync

If you change a milestone Target Amount, update the matching Cart Price Rule condition, and vice versa. Dynamic Cart Progress does not read your Cart Price Rules and cannot detect a mismatch.

MILESTONE FIELD (THIS EXTENSION)	CART PRICE RULE FIELD (MAGENTO CORE)
Target Amount	Conditions, e.g. <i>Subtotal ≥ 100</i>
Reward Label (e.g. 10% Off)	Actions, e.g. <i>Percent of product price discount, amount 10</i>
Reward Code (e.g. SAVE10)	Coupon Code (with <i>Coupon = Specific Coupon</i>)
Websites, Customer Groups	Websites, Customer Groups: keep them aligned

DASHBOARD

SALES

CATALOG

CUSTOMERS

MARKETING

CONTENT

REPORTS

STORES

SYSTEM

FIND PARTNERS & EXTENSIONS

Spring Rewards - 10% Off

← Back

Delete

Reset

Save and Continue Edit

Save

Rule Information

Rule Name *

Spring Rewards - 10% Off

Description

Grants 10% off when the cart subtotal reaches \$100. Communicated by the Spring Rewards campaign in Dynamic Cart Progress.

Active *

☒ Yes

Websites *

Main Website ?

Customer Groups *

NOT LOGGED IN
General
Wholesale
Retailer

Coupon *

Specific Coupon ▼

Coupon Code *

SAVE10

☐ Use Auto Generation

If you select and save the rule you will be able to generate multiple coupon codes.

Uses per Coupon

0

S-24 The matching Magento Cart Price Rule: Specific Coupon, Coupon Code SAVE10, assigned to the same website and customer groups as the campaign.

DASHBOARD

SALES

CATALOG

CUSTOMERS

MARKETING

CONTENT

REPORTS

STORES

SYSTEM

FIND PARTNERS & EXTENSIONS

Spring Rewards - 10% Off

← Back

Delete

Reset

Save and Continue Edit

Save

☐ Use Auto Generation
 If you select and save the rule you will be able to generate multiple coupon codes.

Uses per Coupon

0

Uses per Customer

0

Usage limit enforced for logged in customers only.

From

To

Priority

0

Public In RSS Feed

☐ No

Conditions

⌵

Apply the rule only if the following conditions are met (leave blank for all products).

If **ALL** of these conditions are **TRUE** :

Subtotal equals or greater than 100

⬆

Actions

⌵

Labels

⌵

Manage Coupon Codes

⌵

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S-25

The rule's Conditions: *Subtotal equals or greater than 100*, the same threshold as the milestone's Target Amount.

SECTION 21

The completion state

When every milestone in the winning campaign is reached, both locations switch to a completion presentation:

- **Mini Cart:** *Rewards*, the top reward, and *Every reward secured*, with the progress line complete in green. The card keeps its height.
- **Cart Page:** the last milestone's Completion Message (or *<reward> unlocked, the top reward on this order*), the complete green bar, and every tier marked as reached.

An earned Reward Code stays visible with its Copy button. The screen-reader status line becomes *You have unlocked all rewards!*

You unlocked 15% off — apply code SAVE15 at checkout.

Code for 15% Off:

SAVE15

Copy

● Free Shipping \$50.00

● 10% Off \$100.00

● 15% Off \$150.00

S-26

Cart Page completion at \$152.00: the 15% Off completion message, its code SAVE15, the complete bar, and all three tiers reached.

REWARDS

Code **SAVE15**

15% Off

Every reward secured

S-27 Mini Cart completion: *Rewards / 15% Off / Every reward secured*, with the code badge.

PART V

Operate it

How campaign changes reach shoppers who already have the store open, what the display offers assistive technology, a symptom-to-check troubleshooting table, and the exact compatibility statement.

22 · Freshness 23 · Accessibility 24 · Troubleshooting 25 · Compatibility limitations

SECTION 22

Private-content freshness

Progress data reaches the storefront through Magento's standard **private content** mechanism, the same mechanism the Mini Cart itself uses. This has predictable consequences for how quickly a campaign change is seen.

HOW A CAMPAIGN CHANGE REACHES SHOPPERS

A campaign edit is saved and live on the server **immediately**. Any new storefront session, and any shopper who takes a cart action, gets the current campaign. A shopper who **already has your storefront open** keeps seeing the previous campaign until their browser next refreshes cart data, for example when they add or remove an item, change a quantity, apply a coupon, request a shipping estimate, switch store view or currency, sign in or out, or start a new session.

- **Clearing Magento's caches does not help here.** Cache flushing acts on the server; it has no effect on a browser that already loaded the data. The two are unrelated.
- There is no timed auto-refresh and no separate campaign cache to configure.
- This is exactly how a Magento Cart Price Rule change reaches shoppers who already have the cart open.

Practical guidance: schedule disruptive campaign changes for low-traffic windows, and expect a short tail of shoppers still on the previous campaign until they next touch their cart.

On first load of the Cart Page the display may show the server-rendered state for a moment and then update as the private-content data loads. This is expected.

Accessibility considerations

- The display exposes a plain-language **status message** to screen readers, for example *You're \$5.00 away from Free Shipping* or *You have unlocked all rewards!*, announced when the cart changes.
- Milestone markers in the Mini Cart are real keyboard-focusable **buttons** with descriptive labels. The detail popover is reachable by keyboard, and its facts are also carried in the button's accessible name.
- Each reward tier on the Cart Page states its status in words for screen readers (*Secured*, *Next reward*, *Upcoming*); with Step Indicator, the next step also carries *aria-current*.
- The **Copy** buttons are real buttons; the Mini Cart code badge has an accessible name such as *Copy code SAVE10*.
- Purely decorative elements are hidden from assistive technology.
- Motion respects the operating-system “**reduce motion**” setting.
- Colour is never the only signal: every state (secured, next, upcoming) also has text or a check mark.

Troubleshooting

SYMPTOM	WHAT TO CHECK
Nothing shows in the Mini Cart or Cart Page	Global Enabled ; the location's global switch; the campaign's Show in Mini Cart / Show on Cart Page ; campaign Status = Enabled; today is inside From Date / To Date; the cart's website is in Websites; the shopper's group is in Customer Groups; the campaign has at least one milestone; the cart is not empty.
Shows for guests but not signed-in customers, or vice versa	The missing group is not in Customer Groups. Add <i>NOT LOGGED IN</i> for guests, or the relevant group for customers.
The wrong campaign shows	Another matching campaign has a higher Priority , or, with equal priority, was created more recently. Only one campaign displays per cart.
The remaining amount looks wrong	Check Calculate Progress Using (tax) and Discount Calculation (before/after). Remember progress is subtotal-only; shipping is never included.
The target looks wrong on a non-USD website	Target Amount is read in that website's base currency, not converted. Use one campaign per currency (Section 15).
The reward code does not appear	The code shows only after the milestone is reached, and only if that milestone has a Reward Code . When several reached milestones have codes, the highest one is shown.
A shopper says the reward code “doesn't work”	The code is shown by the display; the discount is your Cart Price Rule. Verify the rule is active, its coupon matches the Reward Code, and its Conditions are met.
A campaign edit is not visible on an already-open storefront	Expected: private content. It appears on the shopper's next cart action or session (Section 22). It is not fixed by a cache flush.
The display is visible but styled oddly right after install or upgrade	Run <code>setup:static-content:deploy</code> and <code>cache:flush</code> ; hard-refresh the browser.

Save fails on the Milestones grid	Milestones must be ascending, non-duplicate and greater than zero; a website and a customer group are both required.
The display briefly shows one state, then updates on page load	Expected: the server-rendered first paint is corrected by the private-content refresh a moment later.

SECTION 25

Compatibility limitations

- **Magento Open Source 2.4.8 – 2.4.9.** Not 2.4.7. Not tested on 2.4.10 / 2.5. The 1.0.2 storefront display was verified on Magento Open Source 2.4.9 (Luma and Hyvä); 2.4.8 uses the same code.
- **PHP 8.3 – 8.5** for the extension's code. This is not a statement of Magento's supported PHP versions; run Magento on a PHP version Adobe lists as supported for your specific Magento Open Source release.
- **Hyvä.** The free companion module was verified in the Hyvä default theme (theme module 1.5.2) on Magento 2.4.9: Mini Cart and Cart Page, all four progress styles, desktop and mobile. Hyvä on 2.4.8 uses the same code path. Hyvä's optional Alpine CSP build (strict Content Security Policy without `unsafe-eval`) is not supported yet.
- **Adobe Commerce.** Expected to be compatible on 2.4.8 – 2.4.9; not independently tested. Adobe Commerce staging, B2B and website-scope admin-role behaviour was not exercised.
- **Admin authorization is a single permission set.** Any administrator with the `Dynamic Cart Progress → Campaigns` permission can manage all campaigns; the Websites assignment controls where a campaign displays, not who may edit it. This matches how Magento Open Source treats Cart Price Rules.

Admin field reference

Configuration — Stores → Configuration → MageEnv → Dynamic Cart Progress

Enabled	Global on/off for the whole extension.
Mini Cart Enabled	Global on/off for the Mini Cart location.
Cart Page Enabled	Global on/off for the Cart Page location.
Cart Page Position	Above Cart Items (default), Order Summary: Top, or Order Summary: Below Totals. Store-view scope.
Default Tax Calculation	Pre-selected in Calculate Progress Using for new campaigns only.
Default Discount Calculation	Pre-selected in Discount Calculation for new campaigns only.

Campaign form

Campaign Name	Required. Internal name shown in the grid.
Status	<i>Enabled</i> or <i>Disabled</i> . A disabled campaign never displays.
Priority	Whole number; higher wins when several campaigns match one cart. Negative allowed.
From Date	Optional. Campaign inactive before this date (store time zone), inclusive.
To Date	Optional. Campaign inactive after this date (store time zone), inclusive.
Websites	Required. Multi-select. Where the campaign may display.
Customer Groups	Required. Multi-select. Which shopper groups see the campaign; <i>NOT LOGGED IN</i> = guests.
Show in Mini Cart	Per-campaign switch for the Mini Cart location.
Show on Cart Page	Per-campaign switch for the Cart Page location.
Progress Style	<i>Segmented Bar</i> / <i>Linear Marker</i> / <i>Step Indicator</i> / <i>Simple Fill</i> . Presentation only (Section 17).
Calculate Progress Using	<i>Subtotal Excluding Tax</i> or <i>Subtotal Including Tax</i> .
Discount Calculation	<i>Before Discounts</i> or <i>After Discounts</i> .
Target Amount	Milestone. Required, greater than zero, ascending, unique. Base currency of the displaying website.
Reward Label	Milestone. Required. Shopper-facing reward name.
Reward Code	Milestone. Optional. Shown to the shopper, with a Copy button, only after the milestone is reached; not created or applied by the extension.

Completion Message

Milestone. Optional. Shown on the Cart Page once the milestone is reached; if blank, *<Reward Label> unlocked* is shown.

APPENDIX B

Uninstalling

For a Composer install, remove the Hyvä companion first (if present), then the core module:

```
bin/magento module:uninstall --clear-static-content \
    MageEnv_DynamicCartProgressHyva MageEnv_DynamicCartProgress
bin/magento cache:flush
```

This disables the modules, removes the Composer packages, and, because the extension uses Magento's declarative schema, drops the four `mageenv_dcp_*` tables and their data. Add `--remove-data` if you also want Magento to run any registered data cleanup. No other data is touched.

Any Magento Cart Price Rules you created separately are **not** removed. Disable or delete them yourself if they are no longer needed.

For a store that runs the extension from `app/code` rather than Composer, `module:uninstall` does not apply. Use `bin/magento module:disable MageEnv_DynamicCartProgressHyva MageEnv_DynamicCartProgress`, run `setup:upgrade` and `cache:flush`, then remove the module directories. Confirm the exact procedure for your install type before running it on a production store.

MageEnv Dynamic Cart Progress 1.0.2 · Marketplace User Guide · Applies to Magento Open Source 2.4.8 – 2.4.9.