



Svea Payments Finland

Payment Module
for
Adobe Commerce (Magento)

Module version 1.1.0

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1 General information

The module `magento2_svea_payments` enables Svea Payments' payments on the Adobe Commerce (Magento) platform. This plugin supports all Svea Payments payment methods, including card, online banking, mobile payments, invoice, part payment and B2B invoice payment methods.

With the module, customers can select their desired payment method on the website checkout page or on the Svea website.

The delayed capture feature allows payments to be captured when the order processing is completed, and the package is sent to the customer.

To use this module in production, you need an activated Svea Payments payment service contract. Additionally, for testing purposes, you can order test credentials for the Svea Payments test environment. You can find more details in the Testing section at [Svea Payments API / TESTING](#).

2 Change history

Changelog: [Changelog.md](#)

Release history: https://github.com/maksuturva/magento2_svea_payments/releases

3 System requirements

Requirement	Supported versions
Magento	2.4.4 or newer
Composer	2.0 or newer
PHP	8.1 or newer

There is no guarantee that the plugin is fully functional in any other environment.

4 Installation

Installation requires basic knowledge of Magento Administration, Magento CLI and Composer. Update PHP and Magento to fulfill the system requirements.

To use the payment module, you need to install version 2 of the Composer package management tool. For more information, see [Composer \(getcomposer.org\)](https://getcomposer.org)

It is recommended that you update and back up your current installation to ensure optimal performance and data safety.

During installation, the module installs required database tables and adds cron jobs for payment status query background jobs.

If you are migrating from previous generation Svea payment module (aka. https://github.com/maksuturva/magento2_payment_module/) and about to upgrade to this new module version, start from the section [4.5 Migrate from previous generation Svea payments module](#) first.

4.1 Install the payment module

Add payment module to Composer requirements.

```
composer require svea-payments-finland/magento2-svea-payments
```

Build and update Magento installation.

```
php bin/magento setup:upgrade
php bin/magento setup:di:compile
php bin/magento setup:static-content:deploy -f -j 3
php bin/magento cache:flush
```

Check that cron service is running.

```
service cron status
```

if needed, start cron as follows.

```
service cron start
```

4.2 Check the current version information

By using the composer tool, you can easily check the current version of any installed payment module. This can be extremely helpful for ensuring that all your plugins are up-to-date and functioning properly.

```
composer show svea-payments-finland/magento2-svea-payments
```

4.3 Upgrade the existing module

To upgrade the existing module version of this module to the latest version, you can utilize the composer update mechanism.

```
composer update svea-payments-finland/magento2-svea-payments
```

Build and update Magento installation.

```
php bin/magento setup:upgrade
php bin/magento setup:di:compile
php bin/magento setup:static-content:deploy -f -j 3
php bin/magento cache:flush
```

4.4 Remove the payment module

To remove the payment module, use the following command.

```
composer remove svea-payments-finland/magento2-svea-payments
```

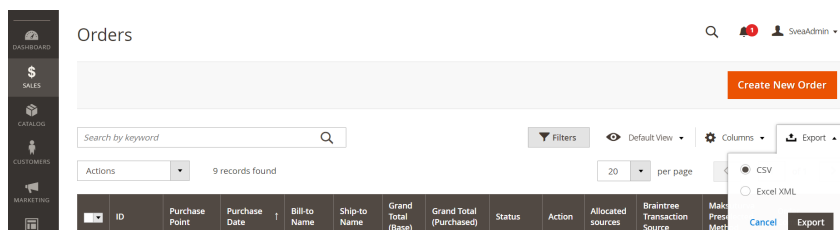
Please note that the database information must be cleaned manually. We don't support automatic data removal currently.

4.5 Migrate from previous generation Svea payments module

This section includes instructions to migrate from previous generation Svea payments module (https://github.com/maksuturva/magento2_payment_module).

Before making a production update, it would be advisable to test the update in an environment similar to production and verify the functionality throughout.

- Take a full database backup.
- For later review, export list of current orders at Magento Sales / Order page



1. Disable old payment module version.

```
php bin/magento module:disable Svea_Maksuturva Svea_MaksuturvaBase
Svea_MaksuturvaCard Svea_MaksuturvaCollated Svea_MaksuturvaGeneric
Svea_MaksuturvaInvoice Svea_MaksuturvaPartPayment Svea_OrderComment
```

2. Do module installation as described in section [4.1 Install the payment module](#) and after installation continue here.
3. Migrate old config parameters to new module config parameters. Note! This will clear all settings in the current module configuration. Run

```
php bin/magento svea:migrate:config
```

4. After migrate config command, go to

```
Stores >> Configuration >> Svea Payments >> Svea Payments Configuration
```

As result, you should see configuration fields filled with correct values. For example, Seller ID field is not empty anymore.

5. Check configuration for correctness and *Save Config*.
6. Optional but recommended: migrate old orders to new module format. Orders placed with previous `Svea_Maksuturva` payment methods can be migrated via Command Line Interface (CLI).

Without migration, you cannot refund or make status queries for orders created with `Svea_Maksuturva` payment methods.

```
php bin/magento svea:migrate:sales --date 2023-01-01
```

With the `--date` option, you can migrate orders starting from a specific date. Format `YYYY-MM-DD`.
Note! Without the `--date` option, the command will migrate all orders.

7. Finally, go [Payment Methods](#) to check configured checkout payment methods.

4.6 Possible conflicts with `Svea_Maksuturva` module

If you have enabled `Svea_Maksuturva` module, the `php bin/magento setup:upgrade` step of installation will inform you if you need to disable `Svea_Maksuturva` module.

After that you need to repeat the `php bin/magento setup:upgrade` step to continue with the installation process.

5 Configuration

You can find settings related to payment module in:

- Stores / Configuration / Svea Payments / Svea Payments Configuration
- Stores / Configuration / Svea Payments / Svea Part Payment Calculator
- Stores / Configuration / Sales / Payment Methods
- Stores / Configuration / Sales / Sales / Order Comment

Testing instructions: [Svea Payments API / TESTING](#)

5.1 Preferred Magento settings

Make sure the store currency is set to EURO *Stores >> Configuration >> General >> Currency Setup >> Base Currency*

Use default country as *Finland*, *Stores >> Configurations >> General >>> General >> Default Country* – recommended.

New in 1.1.0

Orders work according to Magento payment flow and are set to *Pending Payment* when checking out. These orders, if left unpaid, will be cancelled automatically by Magento after their lifetime expires. This lifetime can be configured in

Stores >> Configuration >> Sales >> Sales >> Orders Cron Settings >> Pending Payment Order Lifetime (minutes)

Default value is 480 which is 8 hours.

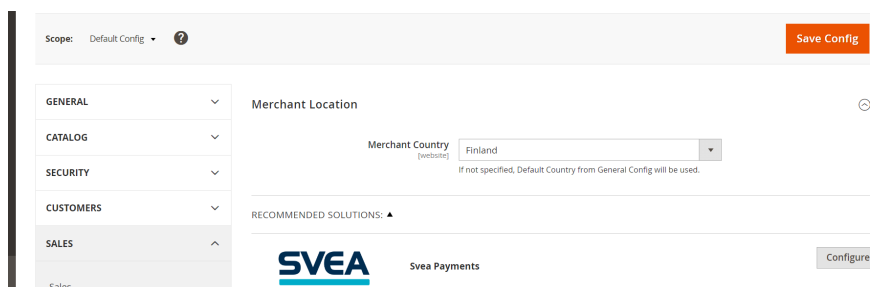
Before version 1.1.0, orders were set to state *Pending* when checking out. These orders are never automatically cancelled by Magento. If needed, this can be done manually in

Sales >> Orders

Using a filter of *Status: Pending* can help with bulk cancellation of old orders.

5.2 Payment methods page

Go to *Stores / Configuration / Sales / Payment Methods*. Press *Configure* to select active Svea payment methods.



On the checkout page, you have three options to choose from for how the payment methods should appear. These options are:

1. Collated Payment Methods - This option groups Svea payment methods together, and you can customize various settings. This is the recommended option.
2. Separate Payment Methods - This option activates individual Svea payment methods.

3. Redirect to the Svea Selection Page - With this option, the payment method redirects to the Svea website for the final payment method selection.

5.2.1 Collated payment methods

Ensure that the Enabled option is set to Yes in the Common section. This section contains the main title that appears on the checkout page for payment options in Magento.

⌵ Collated Payment Methods

All payment methods are collected and shown under the same payment method in Magento checkout.

⌵ Common

Enabled [store view]	Yes	
Title [store view]	Svea Payments	<input checked="" type="checkbox"/> Use system value
Sort Order [store view]	2	
Payment From Applicable Countries [website]	All Allowed Countries	

Based on the delivery address given by the buyer.

Under the Common section, there are six subgroups of Payment methods that come with default titles. These subgroups offer various payment methods that sellers can choose from. You are free to customize the title of each subgroup and select the payment methods that you want to make available.

If you wish, you can also set a default invoicing fee for all payment methods. Alternatively, you can set the fee individually for each payment method by adding the details in the table view provided. The invoicing fee will be added to the payment amount.

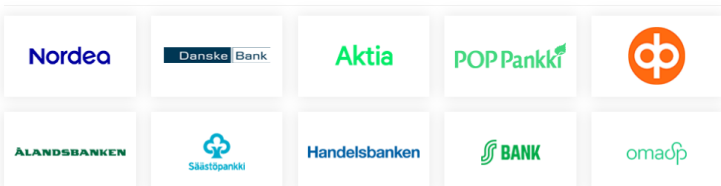
Remember to click Save Config after configuration changes and flush Magento cache.

Example of collated payment methods on Checkout page

Pay now with mobile payment or card



Pay now with online banking



By using Svea Payments payment service you agree to the terms of service

Place Order

5.2.2 Separate payment methods

If you want payment methods to be shown at the checkout under payment method groups that can be opened in radio buttons, you can choose Separate Payment Methods at the configuration page as an alternative to Collated Payment Methods.

Enable the selected payment method groups and add payment methods under each group or use the default system setting. You can change the header of the payment method group and select the

order of the payment method groups to be shown at the checkout.

Example of the separate payment methods on checkout page:

Payment Method


☐ Svea Online Bank Payment

☐ Svea Card and Mobile Payments

☐ Svea Part Payment

[Apply Discount Code](#) 

Order Summary

Cart Subtotal	€73.16
Invoicing Fee	€0.00
Shipping	€9.92
Flat Rate - Fixed	
Tax	€16.08
Order Total Incl. Tax	€83.08
Order Total Excl. Tax	€67.00
1 Item in Cart	

Ship To:



5.2.3 Redirect to Svea's Payment Method Selection Page

If you want the payment methods to be selected at Svea's payment method selection page instead of showing the payment methods directly at the checkout, you can enable only this payment method in the configuration. You don't need to choose or activate any individual payment methods, since all payment options you have with Svea will appear automatically.

Redirect to Svea's Payment Method Selection Page

Enabled
[website]

Yes

Title
[store view]

Svea Payments

☒ Use system value

Sort Order
[store view]

1

Payment From Applicable Countries
[website]

All Allowed Countries

Based on the delivery address given by the buyer.

From the checkout the buyer will be redirected to Svea's page to choose the payment method.

Example of Svea's payment method selection page:

Cancel

person

company

Payment information

Pay now via your online banking service

By choosing bank transfer, you authorize Svea Payments Oy to initiate a payment order from the account of your choice and go to your own bank to accept the payment. You accept that Svea Payments Oy processes the personal data necessary for the execution of this payment order.

Nordea

OP

Danske Bank

Aktia

omadp

Säästöpankki

POP Pankki

Handelsbanken

ÅLANDSBANKEN

BANK

Pay now with mobile payment or card

MobilePay

Siirto

pivo

VISA

mastercard

Pay later

Part Payment SVEA

5.3 Svea Payments Configuration

The payment module configuration page is located on the left menu of *Stores / Configuration / Svea Payments*

Configuration

Search, Notifications, SveaAdmin

Scope: Default Config

Save Config

GENERAL

CATALOG

SECURITY

CUSTOMERS

SALES

SVEA PAYMENTS

Svea Payments Configuration

Svea Part Payment Calculator

SERVICES

ADVANCED

Svea Payments Configuration

Seller ID

8 or more characters. See [Personal test credentials](#) for further information on how to test Svea Payments integration.

Secret Key

40 or more characters.

Key Version

002

☐ Use system value

Svea Payments Endpoint

Test

Scheduled payment status check

Enable

You should always ask Svea to enable callbacks. That is, Svea will confirm the payments using server to server notifications. This setting can be disabled as soon as Svea has enabled callbacks.

Status Check Schedule

Manual payment status check

Check orders created in past 1 hour

This can be clicked once per minute

Manual payment status check

Check orders created in past 1 week

This can be clicked every 30 minutes

Description of configuration fields

Seller ID	<p>Use your seller ID provided by Svea Payments. Value is case-sensitive.</p> <p>Please note that this key must not be shared with any person, since it allows many operations to be done in your Svea Payments account.</p> <p>You get your production credentials by contacting Svea sales or for testing environment, see Svea Payments API / TESTING</p>
Secret key	The secret key of your credentials.
Secret key version	Secret key version specifies the exact secret key of your credentials. Starts from 001.
Endpoint	Select the correct environment based on your credentials.
Scheduled payment status check	<p>When enabled, scheduled job requests pending payment statuses from the backend system. You can see the schedule below in Status Check Schedule field.</p> <p>Disable this only if you are using callback option.</p>
Manual payment status check	Triggers manual payment status check. This is like scheduled payment status check, but you can manually check pending payments for past 1 hour or 1 week time span.
Delivery mode	<p>If you want to send tracking codes to Svea, you can enable this feature. Delivery information is sent automatically on shipment creation, shipment track addition and shipment track removal when enabled.</p> <p>Real = the real tracking codes are sent to Svea for <i>All</i> or <i>Specific</i> payment methods, that can be defined at <i>Payment Methods for which Delivery info sent to Svea</i></p> <p>Custom = You can specify a custom delivery method that you want to send to Svea. The method is defined at <i>Custom delivery method</i> (options: Own delivery / Service / Electronic delivery / Untraceable letter). You can choose to send the codes for <i>All</i> or <i>Specific</i> payment methods, that can be defined at <i>Payment Methods for which Delivery info sent to Svea</i>.</p>
Delayed capture	<p>Normally, all payments are marked as captured when payments are confirmed by Svea. When a payment method is marked as delayed capture payment method, the payment confirmation will not result into the payment be marked as captured. When using Svea payment methods supporting delayed capture (i.e., shipment notices), those methods can be specified here. These methods must be verified together with Svea Payments.</p>
<i>New order status</i> (removed in 1.1.0)	<p><i>Default status for orders when customer has checked out, but payment is still pending.</i></p> <p>Removed as setting no longer has any effect and in previous versions would break manual status query if changed.</p>
Paid order status	Default status for orders when payment is confirmed.
Restore shopping	If this setting is on, the shopping cart is restored in case on cancel and/or

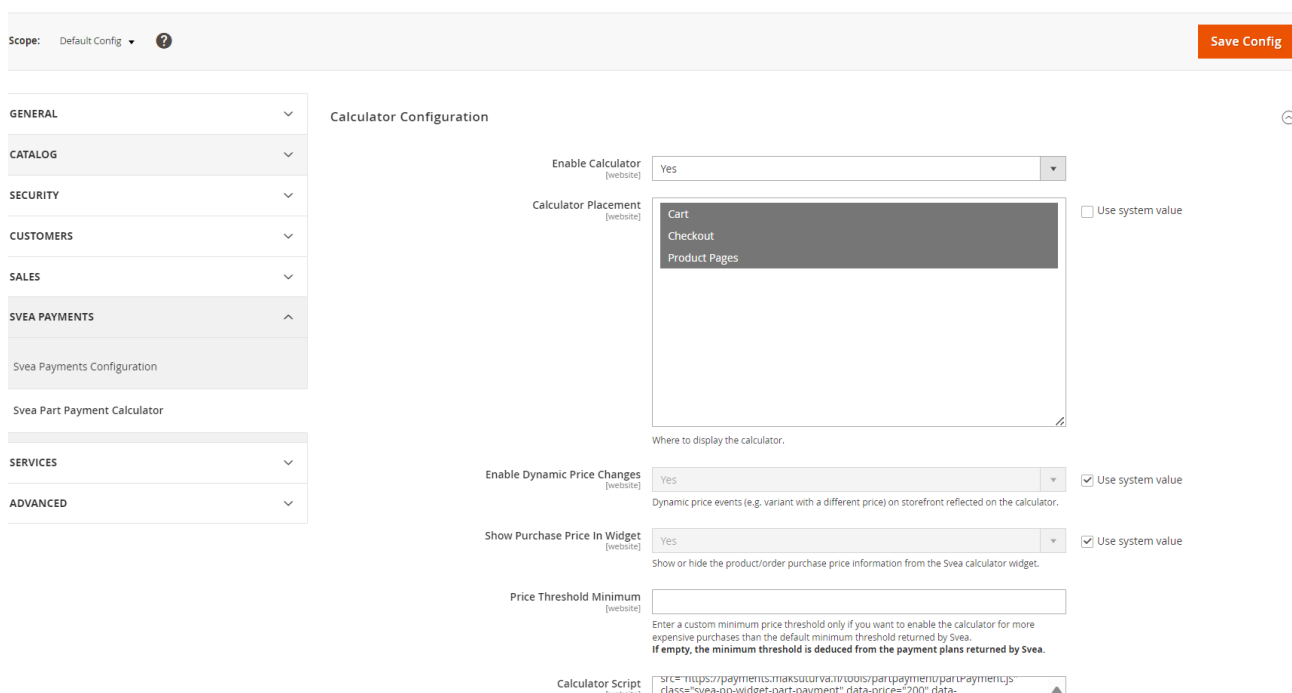
cart on Cancel/Error	error return from Svea. If this setting is disabled, the shopping cart will be emptied in case of error and/or cancel return.
Cancel orders on cancelled payment or error (new in 1.1.0)	Sets if orders should be canceled when the user returns from Svea Payments having canceled payment or encountered an error. The recommended setting is the default Yes as that releases the inventory held by the order. Setting this to No can lead to running out of stock so it should only be used on virtual products or if store is not tracking inventory. Note: Even if setting is set to No Magento will automatically cancel orders in Payment Pending status after the Order Lifetime set in Sales settings expires.
Enable refunds after settlement	Enables the refunds after the payment is settled with Svea Bank. When enabled, the admin page show bank account information for refunding the payment to Svea.

5.4 Svea Part Payment Calculator

The Svea Part Payment Calculator configuration page is located on the left menu of *Stores / Configuration / Svea Payments / Svea Part Payment Calculator*

Part Payment Calculator is a widget that can be used in stores that offer Svea Part Payment as a payment method.

For the configuration of the Part Payment Calculator, you need your Svea Extranet credentials.



Enable part payment calculator and choose the location where you want the calculator to be displayed for the buyer.

Enable dynamic price changes

If enabled, the calculator will update the prices and payment plans dynamically when size / color is changed, and the change affects the product price

Show purchase price in widget

If this is enabled, the part payment calculator will show one additional information field containing the purchase price of

the product(s) in question. If set as “No” the purchase price field will not be shown in the calculator. Purchase price = price of the product.

Price Threshold Minimum

If you want to display the part payment calculator only for more expensive purchases than the default minimum threshold determined by Svea, you can enter the new value here. Use numeric value (i.e., 75).

If the field is left empty, the minimum default value from Svea is used (normally 50 € but can also be customized with Svea).

Calculator Script


Log in to Svea Extranet / Materials and create a script for part payment calculator. Paste the script in this field. It is recommended not to modify the script.

Part payment calculator displayed in shopping cart:


Order Summary

Cart Subtotal	€128.96
Invoicing Fee	€0.00
Shipping	€19.84
Flat Rate - Fixed	
Tax	€28.80
Order Total Incl. Tax	€148.80
Order Total Excl. Tax	€120.00

2 Items in Cart ^



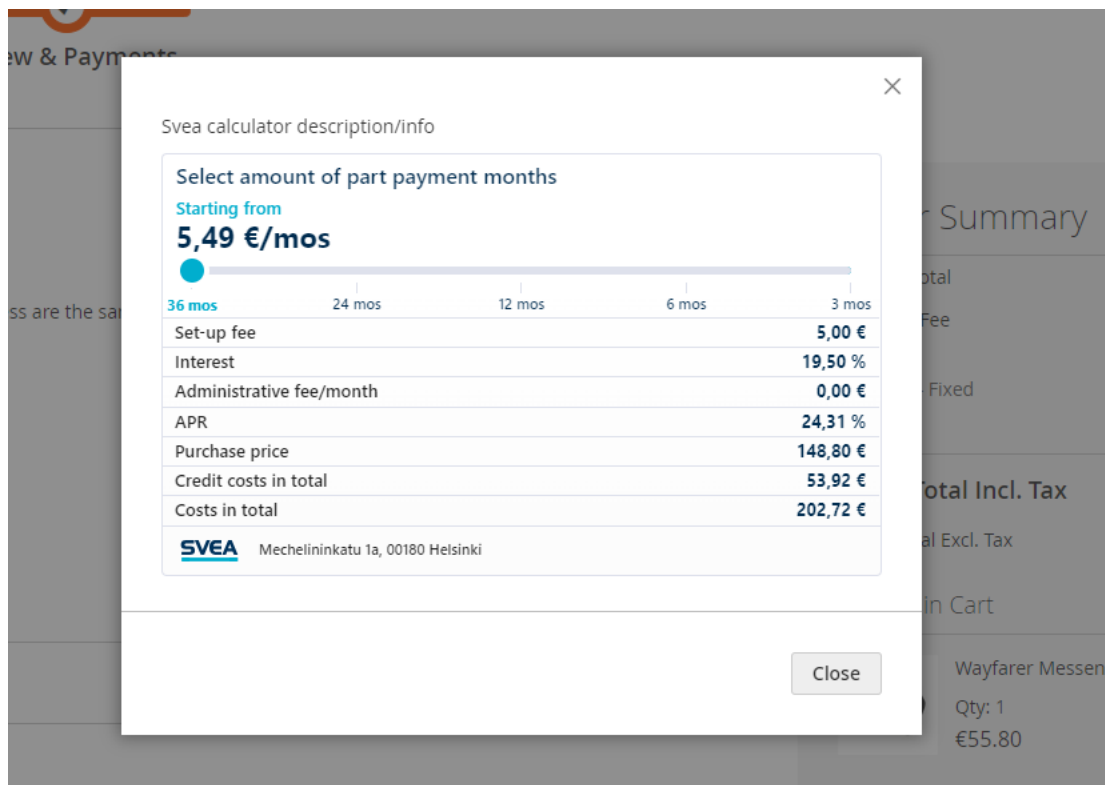
Wayfarer Messenger Bag
Qty: 1
€55.80



Fusion Backpack
Qty: 1
€73.16

[Part Payment Calculator](#) **SVEA**

Example of calculator with Purchase price enabled:



5.5 Additional features

5.5.1 Payment Fees

The payment module has support for defining invoicing fees for each sub method under each payment method, including Collated payment method. For example, with "10;FI01=5;FI06=7.5" the fee in quote gets resolved based on the selected method in the following way:

- * FI01 gets a fee of 5
- * FI06 gets a fee of 7.5
- * Other methods in that group get a fee of 10

5.5.2 Delayed capture

In case part payment or invoice payment methods are used, this can be used to specify delayed capture for these payment methods. Normally, all payments are marked as captured when payments are confirmed by Svea. When a payment method is marked as delayed capture payment method, the payment confirmation will not result into the payment be marked as captured. That is, to capture these, creation of invoice with capture case set to "online" is required.

This is usually used if capture should be done only after shipping the goods to the customer. In case of ERP integration, the integration is responsible of creating the invoice and thus triggering the capture.

Please note that only few methods support delayed capture, these need to be verified from Svea Payments.

5.5.3 *Automatic status query*

If enabled, this will activate a cronjob that queries `Pending` payments from Svea Payments API. This kind of order might occasionally happen, if after successful payment customer does not return to the web shop, but the payment transaction was successful.

Job is run every 30 minutes, and the status is queried pending orders not older than one week. If you need to check older order statuses, use the manual query on the admin page.

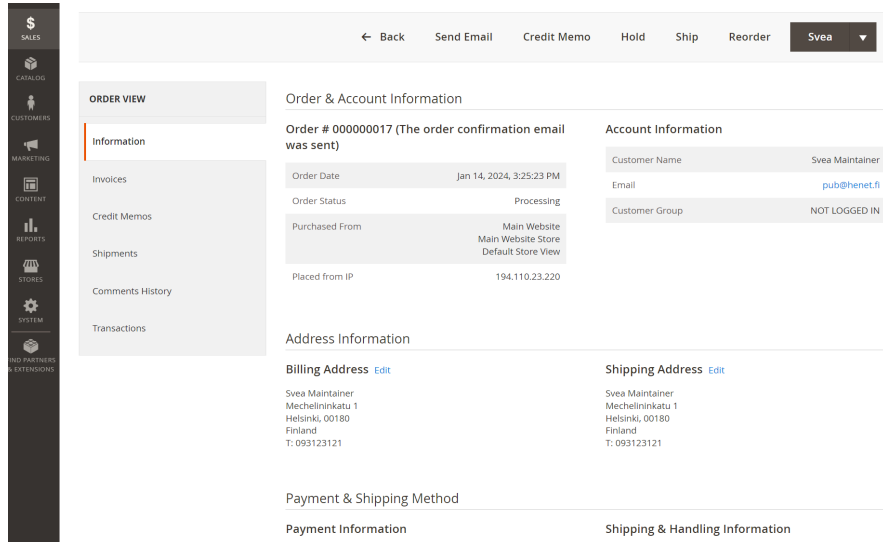
To check that automatic status query is working, see log file for following items. The job is run every 30 minutes, so you need wait a while after activation.

If you are not getting the log items above, check section `Cron Jobs`.

6 Order administration

At checkout, Svea payment module creates Magento order and invoice.

The payment module automatically verifies payments from Svea Payment services and displays corresponding status on the order page. The order admin page includes manual Svea payment status query button.



ORDER VIEW

Information

Order # 000000017 (The order confirmation email was sent)

Order Date: Jan 14, 2024, 3:25:23 PM

Order Status: Processing

Purchased From: Main Website, Main Website Store, Default Store View

Placed from IP: 194.110.23.220

Account Information

Customer Name: Svea Maintainer

Email: pub@phenet.fi

Customer Group: NOT LOGGED IN

Address Information

Billing Address [Edit](#)

Svea Maintainer
Mechelininkatu 1
Helsinki, 00180
Finland
T: 093123121

Shipping Address [Edit](#)

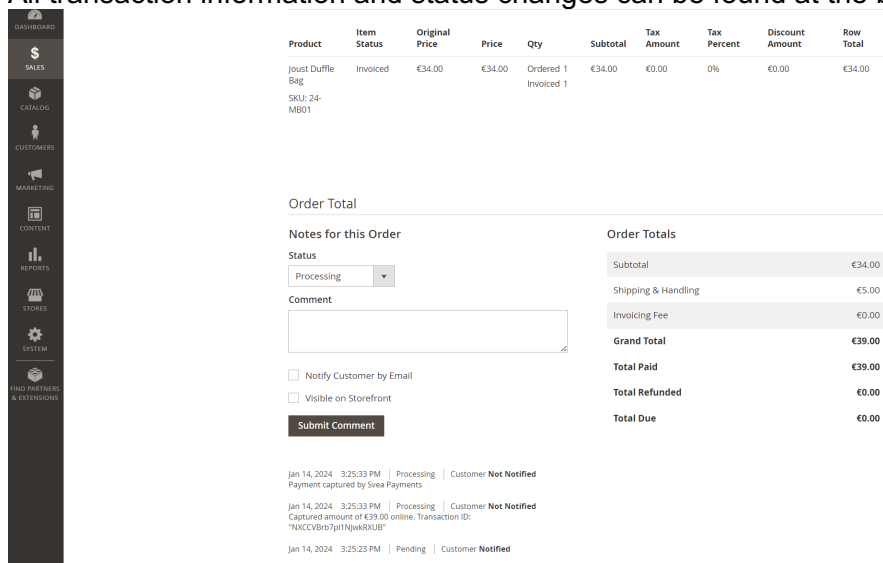
Svea Maintainer
Mechelininkatu 1
Helsinki, 00180
Finland
T: 093123121

Payment & Shipping Method

Payment Information

Shipping & Handling Information

All transaction information and status changes can be found at the bottom of the order page.



Product

Product	Item Status	Original Price	Price	Qty	Subtotal	Tax Amount	Tax Percent	Discount Amount	Row Total
Joust Duffle Bag	Invoked	€34.00	€34.00	Ordered 1 Invoked 1	€34.00	€0.00	0%	€0.00	€34.00
SKU: 24-MB01									

Order Total

Notes for this Order

Status: Processing

Comment:

☐ Notify Customer by Email

☐ Visible on Storefront

[Submit Comment](#)

Order Totals

Subtotal	€34.00
Shipping & Handling	€5.00
Invoicing Fee	€0.00
Grand Total	€39.00
Total Paid	€39.00
Total Refunded	€0.00
Total Due	€0.00

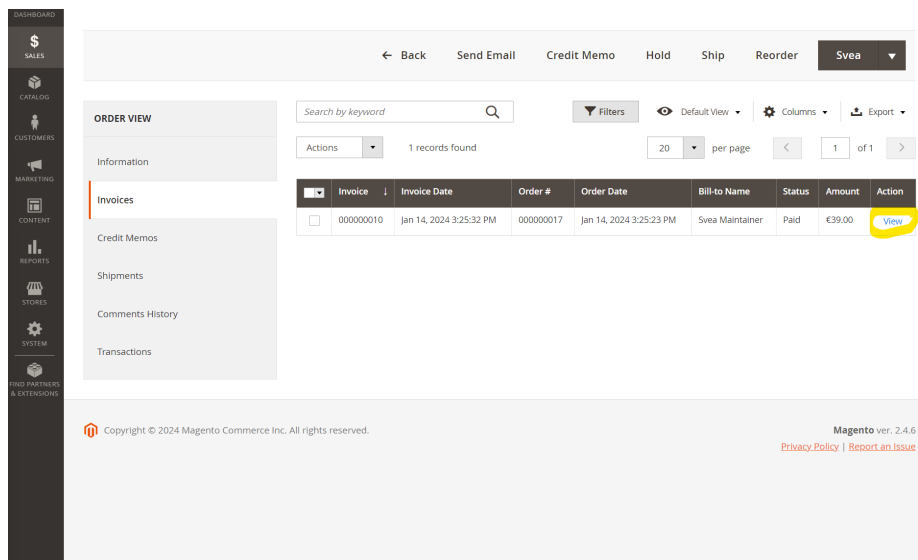
Jan 14, 2024 3:25:33 PM | Processing | Customer **Not Notified**
Payment captured by Svea Payments

Jan 14, 2024 3:25:33 PM | Processing | Customer **Not Notified**
Captured amount of €39.00 online. Transaction ID: "NXCVCBbt7pit1NjwKRXUB"

Jan 14, 2024 3:25:23 PM | Pending | Customer **Notified**

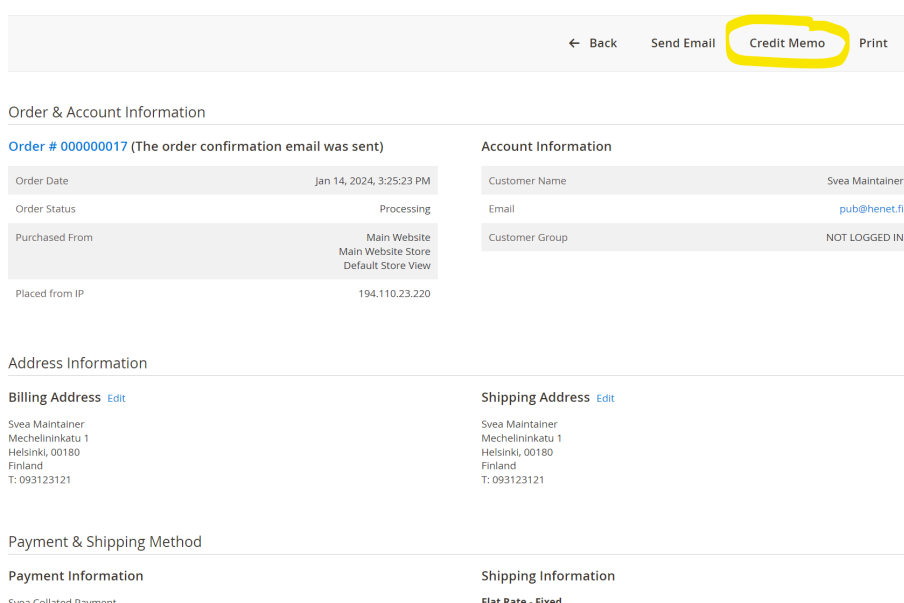
6.1 Refunding order

To refund order fully or partially, select Order / Invoices and select Invoice / View to be refunded.



The screenshot shows the Magento admin interface. On the left is a sidebar with various menu items. The main area is titled 'ORDER VIEW'. Below the title is a search bar and a table of invoices. The table has columns: Invoice, Invoice Date, Order #, Order Date, Bill to Name, Status, Amount, and Action. One invoice is listed with ID 000000010, dated Jan 14, 2024, 3:25:32 PM, for order 000000017. The status is 'Paid' and the amount is €39.00. The 'View' button in the 'Action' column is highlighted with a yellow circle.

Select the Credit Memo at the upper top menu when an invoice is opened.



The screenshot shows the Magento admin interface with the 'Credit Memo' button highlighted in the top navigation bar. Below the navigation bar, the 'Order & Account Information' section is visible. It includes details for Order # 000000017, such as Order Date, Order Status, and Purchased From. The 'Account Information' section shows Customer Name, Email, and Customer Group. The 'Address Information' section displays Billing and Shipping addresses. The 'Payment & Shipping Method' section shows Payment Information and Shipping Information.

To initiate a refund process, select the products and adjust the totals as necessary.

If the refund amount is *equal to the invoiced amount*, the order will be fully refunded, and the order will be canceled.

However, if the refund amount is *less than the invoiced amount*, a partial refund is created without canceling the order.

For an online refund, click on the "Refund" button available at the bottom right corner.

New Memo for #000000010 ← Back Reset

Items to Refund

Product	Price	Qty	Return to Stock	Qty to Refund	Subtotal	Tax Amount	Discount Amount	Row Total
Joust Duffle Bag SKU: 24-MB01	€34.00	Ordered 1 Invoiced 1	<input type="checkbox"/>	<input type="text" value="1"/>	€34.00	€0.00	€0.00	€34.00

Order Total

Credit Memo Comments

Comment Text

Refund Totals

Subtotal	€34.00
Refund Shipping	<input type="text" value="5.00"/>
Adjustment Refund	<input type="text" value="0.00"/>
Adjustment Fee	<input type="text" value="0.00"/>
Invoicing Fee	<input type="text" value="0"/>
Grand Total	€39.00

☐ Append Comments

☐ Email Copy of Credit Memo

7 Logging

The payment module logs can be found in the Magento log directory (for example /var/www/html/var/log).

- svea_payment_error.log
- svea_payment_debug.log
- svea_payment_audit.log

8 Resolving issues and support

If you happen to come across a non-critical issue or have any suggestions for improvement, we kindly request you to submit a GitHub issue.

If you require assistance with activating the payment module or resolving critical issues, please don't hesitate to contact:

- For General support, please contact info.payments@svea.fi
- For Technical support, please contact support.payments@svea.fi

We are always here to help you out.

8.1 Common problems and solutions

- If you get `No payment methods available` on payment page, you might check the sellerid, secret key and endpoint once more.