



swish®

# Swish Payments User Guide

Magento Extension

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# 1. Install the extension

Add package (swish/payment) to *composer.json* file as required

Run *composer install* from root of your project

After composer is installed and auto-generated files are created run *php bin/magento setup:upgrade* and *php bin/magento setup:di:compile* from root of your project.

When everything is installed please configure the extension from Admin Panel.

# 2. Configure the extension

Open Admin Panel

Go to Stores → Configuration → Sales → Payment Methods → Swish

Here you can specify needed configurations and save them

Flush the caches (Go to System → Cache Management → Flush Magento Cache)

Possible configurations and values

Configuration	Description	Example value
Enabled	Determines if customers can pay by check or money order	Yes

Environment	Swish environment which you will use  Production – for real use to place orders  Sandbox – can be used in special cases having the agreement with Swish  Simulator – for testing during development. Allow to integrate extension without Swish app installation	Production
Title	The name for this payment method that appears to customers during checkout	Swish
New Order Status	Determines initial order status payed by Swish	Processing
Payment from Applicable Countries	Determines the countries from which you accept payment by Swish	All Allowed Countries
Payment from Specific Countries	Identifies the specific countries from which you accept payment by Swish	United States
Instructions	Hint for the user	Use Swish app to pay
Sort Order	Swish order number while listed with other payments during checkout	0
Minimum Order Total	Minimal order total to use Swish	0

Maximum Order Total	Maximum order total to use Swish	1000
Swish Number	Merchant id/number	1234567890
Upload certificate file	Certificate file	<i>Uploaded file</i>
Certificate Password	Password for certificate (only for tests)	password
Retrieve Request Delay	<p>The frequency of sending the request order status to Swish server (in seconds)</p> <p>This is special configuration which merchant should set depending on server power.</p> <p>Recommended value is 1 (send request each second) if your server can handle the load</p> <p>It's not recommended to set value higher than 5 (could be too long time for customer to wait response)</p>	1
Create invoice after order is created	If the extension should create an invoice automatically after order will be placed	Yes
Send invoice after invoice is created	If the extension should send invoice email to the customer after it will be created	Yes
Logger	If the extension should add transaction data to the log file	Disabled

### 3. Request types

There is 5 types of requests that the extension could send:

Payment (Web/Mobile) requests – request for payment creation (For mobile and web payment it's 2 different requests)

Cancel payment requests – request for payment cancellation (same request for mobile and web payment)

Status check requests – payment status request will return payment reference in case of successful payment, error status and message in case of error, cancel status in case of cancellation

Refund request – request to Refund the money and cancel order

Please check Swish official documentation for more details

## 4. Orders refund

Go to Admin → Sales → Orders → Choose the order

If Invoice auto-generation is enabled → Credit Memo → Refund with Swish

If Invoice auto-generation is disabled → Invoice order → Credit Memo → Refund with Swish

## 5. Error handling

Extension has custom logger developed with 3 variant of configuration (Disabled, Enabled with sensitive data, Enabled without sensitive data)

Logs will be placed in `<magento_root_dir>/var/log/swish.log`

Sensitive data are:

Merchant Id (Swish number)

Payer Alias (Customer telephone number)

## 6. Cron

For the situations when the customer will lost internet connection/close tab/reload browser during the payment process (on desktop flow) there is a cron job that will execute order placement – *swish\_pending\_payments*

All orders which were paid, but for some reasons weren't placed automatically are added to *swish\_payment\_pending* table. Table is created automatically during the module installation process

By default cron job is run each 5 minutes

To schedule cron job please run *php bin/magento cron:run* from magento root directory

In case if customer will lose internet connection/close tab/reload browser during the payment process and will finish payment, customer's quote will be deactivated (for security reasons), and order will be placed in next 5 minutes

## 7. Environments and credentials

In order to use Swish, you will need to specify the following credentials:

Swish Number

Upload certificate file

The following formats are allowed: .p12, .pem

Certificate key

Used only for .pem files

Certificate password

Is always used for .p12 files and if applicable for .pem files

If .pem file should not include the password, please leave this field empty

There are three possible Swish environments that can be used by merchants:

Production – for real use to place orders.

Real money transactions will be involved. In order to receive credentials, you will need to get and agreement with the bank. More details -

<https://assets.ctfassets.net/zrqoyh8r449h/7K7uUWECMMQqiT9ROKUVwl/ecd3ad934d9ab5d080796e3db733335d/Swish-Certificate-Management-Guide.pdf>

Simulator – for testing during development. Allow to integrate extension without Swish app installation.

To get test credentials for the Simulator environment please visit <https://www.swish.nu/developer> and download the simulator guide. Certificates will be present in the ZIP

Please use Swish\_Merchant\_TestCertificate or Swish\_TechnicalSupplier\_TestCertificate. They keys for .pem files are in the same ZIP

Swish number is the same as mentioned in the certificate name

Certificate password could also be found in the MSS User Guide

If you receive an error during the payment, please make sure that you entered a valid phone number

Sandbox – can be used in special cases having the agreement with Swish. Allow to test integration using Swish sandbox application. In case it will be needed, please contact Swish representative

## 8. Notes

Extension could be used only if Swedish Crona (SEK) is set as a main currency

There is no request to check if added credentials are correct. If credentials will be not supported, error message would be shown during the order creation

## 9. Requirements

Magento 2.2-2.3

PHP 7.1-7.2

## 10. References

For any other questions that may arise please reach Swish on <https://www.swish.nu/>

Swish Developer Documentation -

<https://www.swish.nu/developer>

<https://assets.ctfassets.net/zrqoyh8r449h/66tl0gSWnecV4uak9kdgJO/f42610ca2b444a763e0feb022f27c2e4/Merchant-Integration-Guide.pdf>