

Swish Certificate Management

1. Introduction.....	3
1.1 Background.....	3
1.2 Certificate Administration.....	3
2. Swish Certificate Management.....	4
2.1 Log in.....	4
2.2 General functionality.....	5
2.3 List all certificates.....	5
2.4 Order a new Certificate.....	6
2.5 Download the Swish Server TLS Certificate.....	6
2.6 Download Client Certificate.....	6
2.7 Revoke Certificate.....	7
2.8 Logout.....	7

1. Introduction

1.1 Background

By enrolling in the Swish Commerce service at the merchant's bank and getting access to the Swish API, merchants can handle payments in e-commerce and m-commerce scenarios in a way which is very convenient and familiar to millions of Swedish consumers. A merchant can either integrate to this solution directly, or by using a Technical Supplier (referred to as TS in this document) who does the integration.

When a merchant is enrolled by their bank, they will get a Swish Alias that is prefixed with 123. If a TS is enrolled by Getswish, they will get a Swish Alias that is prefixed with 987.

In order to integrate a merchant commerce solution with the Swish Commerce API, the merchant or the TS needs to obtain a client TLS certificate from Swish Certificate Management and install it on their server. The certificate will be used for client authentication of TLS communication with the Swish Commerce API.

The Swish server is set up with a TLS server certificate, which needs to be verified when initiating TLS from a merchant web server to Swish.

More information about Swish certificate handling is available in the Swish Merchant Integration Guide and the Technical Supplier Guide Swish API.

1.2 Certificate Administration

A person that is authorized by a merchant/TS as Certificate Point of Contacts (CPOC) can administrate a merchant's/TS's certificates by logging in to Swish Portal, which is available at <https://portal.swish.nu>

The following functionality is provided:

- Log in and log out
- Ordering a new certificate for the Merchant/TS
- List all certificates that the CPOC is authorized to administer
- Download the certificate chain for the Swish-server TLS certificate that is used for authentication of the Swish server
- Download previously issued client certificates for the Merchant/TS
- Revoke certificates for the Merchant/TS

2. Swish Certificate Management

2.1 Log in

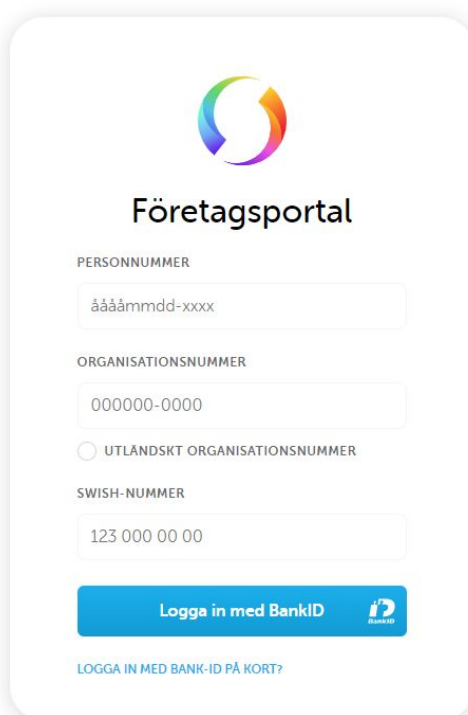
A person that has been registered by a merchant's bank to represent the merchant can log in to Swish Portal by providing the organization number and the Swish number that is to be administered. For TS, the person has to be registered by Getswish.

If the person uses a BxID, it's the person's identity number that should be provided instead of the personal number.

A person can authenticate his or her identity using Mobile BankID or BankID on card (or BxID).

If the person uses Mobile BankID he or she will also have to provide his or her Personal number. Only the certificates related to one specific Swish number can be administered at a time.

If a person represents more than one merchant/TS, or if one merchant/TS has more than one Swish number, and the person needs to administer the certificates related to another Swish number, the person must log out and log in again by providing the new information.



The image shows a login form for 'Företagsportal' (Business Portal). At the top is a circular logo with a rainbow gradient. Below the logo is the title 'Företagsportal'. The form contains three input fields: 'PERSONNUMMER' (Personal Number) with a placeholder 'ååååmmdd-xxxx', 'ORGANISATIONSNUMMER' (Organization Number) with a placeholder '000000-0000', and 'SWISH-NUMMER' (Swish Number) with a placeholder '123 000 00 00'. There is a radio button labeled 'UTLANDSKT ORGANISATIONSNUMMER' (Foreign Organization Number). At the bottom is a blue button labeled 'Logga in med BankID' with a BankID logo. Below the button is a link 'LOGGA IN MED BANK-ID PÅ KORT?' (Log in with Bank-ID on card?).

2.2 General functionality


The name of the person that is logged in is displayed at the top right corner of the page.

The merchant's/TS's organization number and the Swish number that is administered are always displayed in the top left of the page.

2.3 List all certificates

A list of certificates issued for the merchant/TS and the Swish number that is administered is displayed by default when logging in.

The list of certificates contains the following information:



5568495310
1233048063


[Certificates](#)

Alexander Skarsgard
Certificate handler

New certificate

Certificates

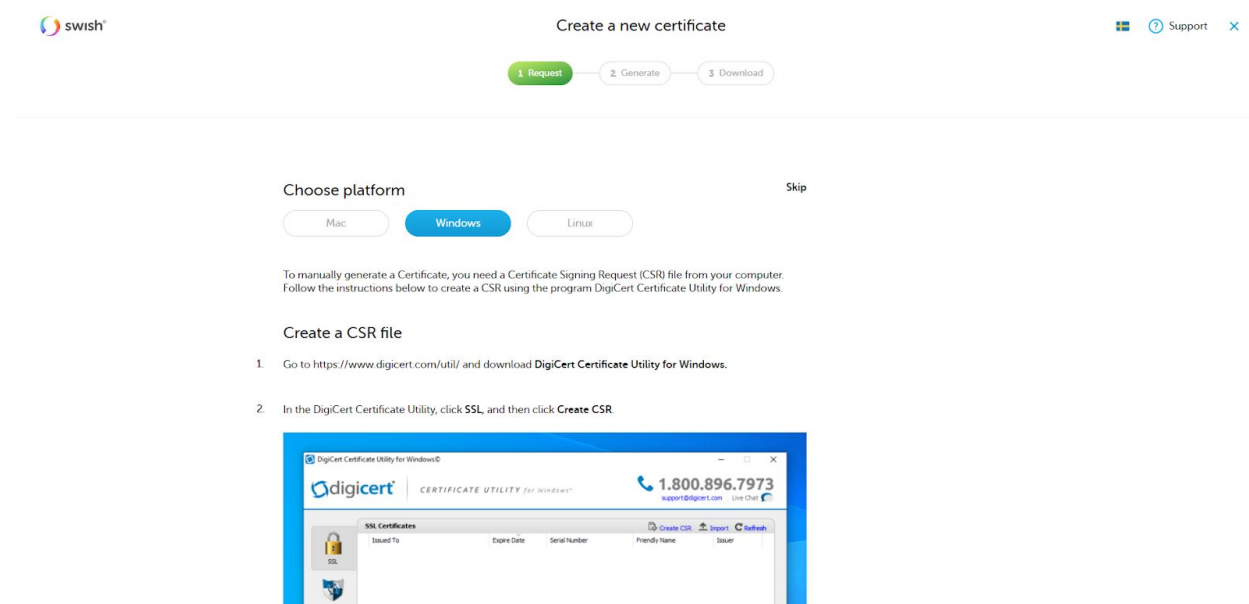
CREATED	VALID THROUGH	ISSUER	CREATED BY	STATUS	DOWNLOAD	VIEW	REVOKE
27 May 2020, 15:17	27 May 2022, 15:17	ESSEESO	19580615-7516	Valid			
29 Apr 2020, 14:42	29 Apr 2022, 14:42	ESSEESO	19580615-7516	Valid			
29 Apr 2020, 14:42	29 Apr 2022, 14:42	ESSEESO	19580615-7516	Valid			
29 Apr 2020, 14:42	29 Apr 2022, 14:42	ESSEESO	19580615-7516	Valid			
29 Apr 2020, 14:42	29 Apr 2022, 14:42	ESSEESO	19580615-7516	Valid			
20 Apr 2020, 14:26	20 Apr 2022, 14:26	ESSEESO	19580615-7516	Valid			
20 Apr 2020, 14:20	20 Apr 2022, 14:20	ESSEESO	19580615-7516	Valid			
20 Apr 2020, 08:58	20 Apr 2022, 08:58	ESSEESO	19580615-7516	Valid			
09 Apr 2020, 15:09	09 Apr 2022, 15:09	ESSEESO	19580615-7516	Valid			



2.4 Order a new Certificate

In order to generate a new certificate, click on the blue button in the top right hand corner.

Once you click on it, you will be sent to a guide specified for the platform you are using. We are offering guides for Mac, Windows and Linux.



2.5 Download the Swish Server TLS Certificate

In order to generate and download your certificate you need a CSR file. The guide in the previous step guides you on how you do that on your chosen platform.

In order to download the certificate chain for the Swish server TLS certificate, copy the text in the text area and save it to a file. The text represents the certificate chain of the Swish server TLS certificate, i.e. the Swish Root CA certificate and the Intermediate CA certificate in PEM format.

On the merchant/TS web server, choose to trust Swish Root CA (o=Getswish AB, ou=Swish Member CA, cn=Swish Root CA v1). For details on how to perform this consult the web solution documentation or the web solution supplier.

2.6 Download Client Certificate

It is possible to download all certificates that have been issued for the merchant/TS and the Swish number that is administered

If a certificate has expired or has been revoked an information message is displayed if a person tries to download it.

In order to download a certificate, copy the text in the text area and save it to a file on the merchant web server. The text represents the certificate together with the certificate chain, i.e. the Swish Root CA certificate and two intermediate bank CA certificates, in either PEM or PKCS#7 format.

2.7 Revoke Certificate

Before a certificate is revoked a warning is displayed together with information about the certificate, and the person must confirm that the certificate should be revoked.

Revoking a certificate is irreversible and will lead to discontinuation of the Swish service for the merchant/TS if that specific certificate is being used.

2.8 Logout

A person can log out by clicking on the “Log out” link at the top right corner of the page. If a person is inactive for a more than 15 minutes the user will be logged out automatically.