

Sandbox – Testing Handelsbanken’s PSD2 Account & Card Information APIs

This document provides you with access tokens so you can test out our PSD2 Account Information API and Card Account Information API in our Sandbox. We’ve got a variety of PSUs with different account characteristics, which you can retrieve static information about.

The subset calls and information in the Sandbox environment are as identical as possible to the calls in the Live environment, and the static mocked test data for the Sandbox is based on what gives the most value for the developer.

This document contains test data for the Account Information API and Card Account Information APIs, which include Authorizations. The scenarios are built up by tokens specific to the API and endpoint. The token is the identifier of the PSU or the authentication session.

The header and path information in the Sandbox environment is designed to contain the same objects as in the Live environment. However, the URLs might differ between Sandbox and Live.

API test data

The test data responses in the Sandbox environment consist of static data divided into different user profiles.

We have divided the test data in the document into steps that you need to perform in the Account and Card Information flow.

Overview of steps:

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1. Client Credential Grant

The test data in the Sandbox for Client Credential Grant request and responses is identified using the scope object. The Client Credential Grant is identical for all countries and is PSU independent.

Country*	Scenario	Scope	grant_type
SE, GB, FI, NL, LU	Client Credential Grant	AIS	client_credentials

*only enter one country per request.

2. Consent data

The test data in the Sandbox for Consent requests and responses is identified using the Authorization object. The responses are identified by the Authorization token.

The test scenarios contain response variations for each country.

Country*	Ind / Corp	Scenario	Authorization with type Bearer
SE	Individual	Consent response with decoupled Mobile BankID SCA	Bearer VQ6NmU3NGZIYmYtYTI1NC00ZTJhLWlZjItNzFjYTRkMjVIYTI
SE (Corp), GB, FI, NL, LU	Individual and Corporate	Consent response with redirect SCA	Bearer QVQ6OTMzZWYwNTctZDE5MC00MDhmLThjOTgtYjY3OGFiM2I1ZDZjx

*only enter one country per request.

Negative and error scenarios

Scenario	Authorization with type Bearer	Http code
Access token expired	Bearer QVQ6MmQ3NGlwNTYtZTYwNy00M2FkLTkzZTEtYTQ3ZTc0NmQ4ODJm	401
TPP not authorized for country	Bearer QVQ6MmQ3NGlwNTYtZTYwNy00M2FkLTkzZTEtYTQ3ZTc0NmQ4ODJm	401

3. Authorization

a. Authorization using redirect

Initiate Authorization using redirect (OAuth 2)

The test data for Initiate Authorization using redirect is identified by the scope object (<scope>:<consentId>).

Country*	Scenario	Scope	redirectUri
SE (Corp), GB, FI, NL, LU	Initiate Authorization using redirect	AIS:a12c0b59-a431-4994-8931-fbdb16a44720	This must be the same OAuth Redirect URI as registered on your app.

*only enter one country per request.

The redirect initiation response contains the http code 302 and a location object that is loaded automatically and a test page is shown. Click OK to send the Authorization_code to the redirect URI.

Authorization Code Grant for redirect

The test data for Authorization Code Grant is identified by the grant_type and code objects.

Country*	Scenario	grant_type	Code
SE (Corp), GB, FI, NL, LU	Authorization Code Grant	authorization_token	360ad5ce-ecfe-4ad4-83d1-9254e89a3ccc

**only enter one country per request.*

b. Authorization using decoupled

Initiate Authorization using decoupled Mobile BankID

The test data for Initiate Authorization using decoupled solution is identified by the scope object (<scope>:<consentId>).

Country	Scenario	scope
SE	Initiate Authorization with Mobile Bank ID	AIS:a12c0b59-a431-4994-8931-fbdb16a44720

Please note: No connection is made to the Mobile BankID live (all data here is static mocked data).

Poll status of Mobile BankID signing

The test data for Poll status of Mobile BankID signing is identified by the sessionId object.

Country	Scenario	SessionId code
SE	Mobile BankID signing in progress	66999f47-bf34-47e4-862b-b4d375626b3e
SE	Mobile BankID signing cancelled	8d268d15-93ec-433a-ab3a-ffb74be08528
SE	Mobile BankID signing complete	221b7bda-9605-4fc6-9442-45033876a018

4. Refresh token

The test data in the Sandbox for Refresh token is identified by the grant_type and code objects.

Country*	Scenario	Grant type	Refresh_token
SE, GB, FI, NL, LU	Refresh token	refresh_token	Bearer UIQ6NThhOWM1MDUtNTE1ZC00MGI0LWJkYjEtNzI3MGRhMmQ3MTU1

**only enter one country per request.*




Please note: this Refresh token endpoint does not exist in the Live environment, instead you will make the same request, but to the Client Credential Grant endpoint.

5. Account / Card test data

a. Account test data

For test purposes, the Sandbox is populated with three different PSUs with two accounts each, and contain a variety of account information and transactions.

The table below explains the customer scenarios for Individual and Corporate customers:

Ind / Corp Profile	Account profile and characteristics
	A customer with 2 accounts, where one of the accounts has, where applicable, an approved overdraft in local currency. Each account has a number of transactions. The transactions consist of normal events, such as salary, account transfers, different types of payments and purchase returns.
	A customer with 2 accounts. Each account has a number of transactions. Every field in the first account has the maximum allowed field length. The fields in the second account have the minimum allowed field length.
	A customer with 2 accounts. Each account has different information depending on the country you choose. You can see examples of accounts that have negative balances and maximum number of transactions.

You can test the following profiles for the below countries:

- Sweden – 3 Individual profiles and 3 Corporate profiles
- Great Britain – 3 Individual profiles and 3 Corporate profiles
- Finland – 3 Individual profiles and 3 Corporate profiles
- The Netherlands – 3 Individual profiles and 3 Corporate profiles
- Luxembourg – 1 Individual profile

TPP identification / Client ID

Each TPP is identified with the unique client ID that is received in the app registration. If you need to find the client ID afterwards, it can be found in “My apps” (where you manage your apps) on our Developer Portal. Client Secret is not used, since authentication is not included in this version of the Sandbox.

Country specific Account test data

- Sweden

Individual

Profile	Access token
1	Bearer MTQ0NjJkZmQ5OTM2NDE1ZTZjNGZmZjl1
2	Bearer MTQ0NjJkZmQ5OTM2NDE1ZTZjNGZmZjl2
3	Bearer MTQ0NjJkZmQ5OTM2NDE1ZTZjNGZmZjl3

Corporate

Profile	Access token
1	Bearer U0VfRsOWUkVUQUdfUFJPRkIMX18x
2	Bearer U0VfRsOWUkVUQUdfUFJPRkIMX18y
3	Bearer U0VfRsOWUkVUQUdfUFJPRkIMX18z

- Great Britain

Individual

Profile	Access token
1	Bearer VUtfUFJJVkJFURV9QUk9GSUxFX18x
2	Bearer VUtfUFJJVkJFURV9QUk9GSUxFX18y
3	Bearer VUtfUFJJVkJFURV9QUk9GSUxFX18z

Corporate

Profile	Access token
1	Bearer VVtfQ9SQVRFU19QUk9GSUxFC31x
2	Bearer VVtfQ9SQVRFU19QUk9GSUxFC31y
3	Bearer VVtfQ9SQVRFU19QUk9GSUxFC31z

- Finland

Individual

Profile	Access token
1	Bearer MV9QUk9GSUxFLUZjX1BSSVZBVEUx
2	Bearer MV9QUk9GSUxFLUZjX1BSSVZBVEUy
3	Bearer MV9QUk9GSUxFLUZjX1BSSVZBVEUz

Corporate

Profile	Access token
1	Bearer MS9QUk9GSUwtRkIDT1JQT1JBVEUx
2	Bearer MS9QUk9GSUwtRkIDT1JQT1JBVEUy
3	Bearer MS9QUk9GSUwtRkIDT1JQT1JBVEUz

- The Netherlands**

Individual

Profile	Access token
1	Bearer MVBST0ZJTEVftkxfUFJJvkFURV8x
2	Bearer MVBST0ZJTEVftkxfUFJJvkFURV8y
3	Bearer MVBST0ZJTEVftkxfUFJJvkFURV8z

Corporate

Profile	Access token
1	Bearer UFJPRkIMRTFftkxfQ09SUE9SQVRFU18x
2	Bearer UFJPRkIMRTFftkxfQ09SUE9SQVRFU18y
3	Bearer UFJPRkIMRTFftkxfQ09SUE9SQVRFU18z

- Luxembourg**

Individual

Profile	Access token
1	Bearer QVQ6ZGViMzMwNTktMWIwMy00MjJkLtk4MzYtNjJjZjBhOTg1MmQ5

b. Card Account test data

Please note: the authorization flow is the same for Account Information and Card Account information which means that they share the same Consent. However, in our Sandbox, it's not possible to test the authorization flow for Card-Account information.

Country specific Card Account test data

- Sweden**

Individual

Profile	Description	psu_id	access_token
1	Xavier (father)	195703049923	Bearer QVQ6NmQ4OTQwYWUtZjRmZi00NGMwLWJkYWQt ZWU3ZTM0MTgxOTdmCg==
2	Ylva (mother)	196004049822	Bearer QVQ6OTU2Y2E5YWQtOWE0Zi00ZmM2LTg4ZTUtM GJmMWY4ZmJmZjU2Cg==
3	Anna (eldest daughter)	200402031013	Bearer QVQ6M2U0ZTMzZjgtMmE3Yi00YjAwLtk3NGMtN2E 2YzNiNTg0ZDc3Cg==
4	Berit (youngest daughter)	200606061225	Bearer QVQ6ZWwZmE5NmQtZTdhMi00NTIhLTljYtItNjgyY zYwY2FiNDU3Cg==