

Introduction

The new PSD2 payment directive issued by the EU has begun to take effect. Among others, PSD2 contains regulations of new services that can be operated by Third Party Payment Service Providers on behalf of a Payment Service User. In order to use the new services, a TPP needs to access the account of the PSU which usually is managed by another Payment Service Provider called the Account Servicing Payment Service Provider. [XS2A-IG]

Thus, ASPSP must expose so called API that will allow TPP to get information from ASPSP in the name of PSU.

Here are some examples of how to use the APIs made available by the Banca Comercială Feroviara S.A.

Dictionary of terms

ASPSP - Account Servicing Payment Service Provider

AIS - Account Information Service

AISP - Account Information Service Provider

API - Application Program Interface

PIS - Payment Initiation Service

PISP - Payment Initiation Service Provider

PSD - Payment Services Directive

PSP - Payment Service Provider

PSU - Payment Service User

SCA - Strong Customer Authentication

TPP - Third Party Provider

Test with Curl

In order to test this using curl, you need first to install curl (<https://curl.haxx.se/download.html>) and then run the command provided by the API with CMD.

Value for parameters used in examples

The examples used in this document are using the following parameters and values:

Parameter name	Value for parameter
X-Request-ID	99391c7e-ad88-49ec-a2ad-99ddcb1f7721
PSU-ID	PSU-1234
PSU-IP-Address	192.168.8.78
PSU-GEO-Location	44.443991, 26.084185
consentId	1234-wertiq-983

Authorization	Bearer SIAV32hkKG
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Technical - Consent

For a TPP to have access to the accounts/to make payments on behalf of a PSU, PSU must first give his consent. This is implemented with Redirect SCA Approach, which means that The Account Information Consent Request is followed by a redirection to the bank's SCA authorization site.

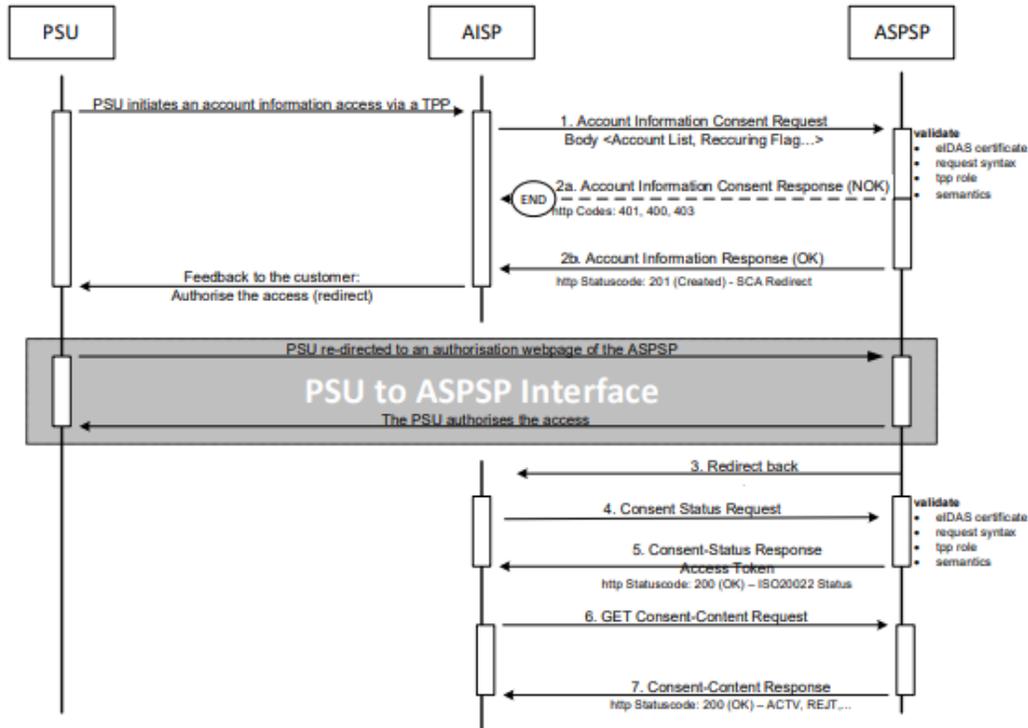
The PSU will have to authorize the access in an authorization page of the ASPSP (the bank). If the consent has been successfully added, PSU will be redirected back to the TPP page. The consent will be valid until the '**validUntil**' date expires. This request will generate a unique **consentId** (POST /v1/consents).

Each time the TPP will try to access account information, the status of the consent must be checked. This is done through the Consent Status Request, /v1/consents/{consentId}/status. The request will return the status of the consent. For example:

```
"consentStatus": "received"
```

If the **consentStatus** has a valid status, then the TPP will have to trigger a new request to obtain the content of what was consented. This is done through the **GET Consent-Content Request** /v1/consents/{consentId} which returns the content.

The API also gives the possibility to the TPP to delete a consent if necessary. This is done through the **DELETE** request /v1/consents/{consentId} .



Redirect SCA Approach: Implicit Start of the Authorization Process [XS2A-IG]

POST /v1/consents

Description

This method creates a consent resource, defining access rights to dedicated accounts of a given PSU-ID. These accounts are addressed explicitly in the method as parameters as a core function.

When this Consent Request is a request where the "**recurringIndicator**" equals true, and if it exists already a former consent for recurring access on account information for the addressed PSU submitted by this TPP, then the former consent automatically expires as soon as the new consent request is authorized by the PSU.

Body Parameters

Attribute	Type	Content	Description
Payload	application/json	<pre>{ "access": { "availableAccounts": "string" }, }</pre>	Request Body for a consents request

		<pre>"recurringIndicator": true, "validUntil": "string", "frequencyPerDay": "string" }</pre>	
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Header Parameters

Attribute	Type	Condition	Description
X-Request-ID	UUID/ string	required	ID of the request, unique to the call, as determined by the initiating party.
PSU-ID	string	required	Might be mandated in the ASPSP's documentation, if OAuth is not chosen as Pre-Step
PSU-IP-Address	string	required	The forwarded IP Address header field consists of the corresponding http request IP Address field between PSU and TPP.
PSU-GEO-Location	string	required	The forwarded Geo Location of the corresponding http request between PSU and TPP if available.

Command line to execute with curl

```
curl -k -X POST "https://bcfonline.bfer.ro:8443/psd2api/1.0.0/v1/consents" -H "accept: application/json" -H "X-Request-ID: 99391c7e-ad88-49ec-a2ad-99ddcb1f7721" -H "PSU-ID: PSU-1234" -H "PSU-IP-Address: 192.168.8.78" -H "PSU-GEO-Location: 44.443991, 26.084185" -H "Content-Type: application/json" -H "Authorization: Bearer " -d "{ \"access\": { \"availableAccounts\": \"string\" }, \"recurringIndicator\": true, \"validUntil\": \"string\", \"frequencyPerDay\": \"string\"}"
```

Request URL

<https://bcfonline.bfer.ro:8443/psd2api/1.0.0/v1/consents>

Response Header Parameters

Attribute	Type	Description
X-Request-ID	string	ID of the request, unique to the call, as determined by the initiating party.
Content-Type	string	application/json

Server Response Example

Code	Description	Content	Response Example
201	Post Consents Response OK	<pre>{ "consentStatus": "string", "consentId": "string", "_links": { "self": { "href": "string" }, "status": { "href": "string" }, "scaStatus": { "href": "string" }, "scaRedirect": { "href": "string" } } }</pre>	<pre>{ "consentStatus": "received", "consentId": "4", "_links": { "self": { "href": "/v1/consents/4" }, "status": { "href": "/v1/consents/4/status" }, "scaStatus": { "href": "/v1/consents/4/authorisations/4" }, "scaRedirect": { "href": "https://bcfonline.bfer.ro:8443/sca- consent/login/123?callback=www.amazon.com" } } }</pre>

Response Header Parameters

Attribute	Type	Description
X-Request-ID	string	ID of the request, unique to the call, as determined by the initiating party.
ASPSP-SCA-Approach	string	Account Servicing Payment Service Provider - Strong

		Customer Authentication.
Location	string	The location header of the response will usually contain a link to the created resource.
Content-Type	string	application/json

GET /v1/consents/{consentId}/status

Description

This GET request fetches the status of a consent, identified by a *consentId*.

Path Parameters

Attribute	Type	Condition	Description
consentId	string	Required	ID of the corresponding consent object as returned by an Account Information Consent Request.

Header Parameters

Attribute	Type	Condition	Description
X-Request-ID	string	Required	ID of the request, unique to the call, as determined by the initiating party.
PSU-ID	string	Required	Client ID of the PSU in the ASPSP client interface. Might be mandated in the ASPSP's documentation. Is not contained if an OAuth2 based authentication was performed in a pre-step or an OAuth2

			based SCA was performed in a preceding AIS service in the same session.
PSU-IP-Address	string	Required	The forwarded IP Address header field consists of the corresponding http request IP Address field between PSU and TPP
PSU-GEO-Location	string	Required	The forwarded Geo Location of the corresponding http request between PSU and TPP if available

Command line to execute with curl

```
curl -k -X GET "https://bcfonline.bfer.ro:8443/psd2api/1.0.0/v1/consents/1234-wertiq-983/status" -H "accept: application/json" -H "X-Request-ID: 99391c7e-ad88-49ec-a2ad-99ddcb1f7721" -H "PSU-ID: PSU-1234" -H "PSU-IP-Address: 192.168.8.78" -H "PSU-GEO-Location: 44.443991, 26.084185" -H "Authorization: Bearer "
```

Request URL

<https://bcfonline.bfer.ro:8443/psd2api/1.0.0/v1/consents/1234-wertiq-983/status>

Response Header Parameters

Attribute	Type	Description
X-Request-ID	string	ID of the request, unique to the call, as determined by the initiating party.
Content-Type	string	application/json

Server Response Example

Code	Description	Response Body	Response headers	Content
200	Get Consent ID Status Response OK	{ "consentStatus": "received"	content-type: application/json; charset=UTF-8	{ "consentStatus": "string"

		}		}
--	--	---	--	---

GET /v1/consents/{consentId}

Description

Reads the exact definition of the given consent resource **{consentId}** including the validity status

Path Parameters

Attribute	Type	Condition	Description
consentId	string	Required	ID of the corresponding consent object as returned by an Account Information Consent Request.

Header Parameters

Attribute	Type	Condition	Description
X-Request-ID	string	Required	ID of the request, unique to the call, as determined by the initiating party.
PSU-ID	string	Required	Client ID of the PSU in the ASPSP client interface. Might be mandated in the ASPSP's documentation. Is not contained if an OAuth2 based authentication was performed in a pre-step or an OAuth2 based SCA was performed in a preceding AIS service in the same session.
PSU-IP-Address	string	Required	The forwarded IP Address header field consists of the corresponding http

			request IP Address field between PSU and TPP
PSU-GEO-Location	string	Required	The forwarded Geo Location of the corresponding http request between PSU and TPP if available

Command line to execute with curl

```
curl -k -X GET "https://bcfonline.bfer.ro:8443/psd2api/1.0.0/v1/consents/99391c7e-ad88-49ec-a2ad-99ddcb1f7721" -H "accept: application/json" -H "X-Request-ID: 2345" -H "PSU-ID: PSU-1234" -H "PSU-IP-Address: 192.168.8.78" -H "PSU-GEO-Location: 44.443991, 26.084185" -H "Authorization: Bearer"
```

Request URL

<https://bcfonline.bfer.ro:8443/psd2api/1.0.0/v1/consents/99391c7e-ad88-49ec-a2ad-99ddcb1f7721>

Response Header Parameters

Attribute	Type	Description
X-Request-ID	string	ID of the request, unique to the call, as determined by the initiating party.
Content-Type	string	application/json

Server Response Example

Code	Description	Response Example	Response headers	Content
200	Get Consent ID Status Response OK	{ "access": { "balances": [{ "iban": "RO42BFER0000000100010RON" }, { "iban": "RO27BFER0000000100020RON" }], "transactions": [{ "iban": "RO42BFER0000000100010RON" }, { "iban": "RO27BFER0000000100020RON" }] }, "recurringIndicator": "Y",	content-type: application/json; charset=UTF-8	{ "access": { "balances": [{ "iban": "string" }], "transactions": [{ "iban": "string" }

		<pre>"validUntil": "2018-12-21T00:00:00", "frequencyPerDay": 1, "consentStatus": "received", "_links": { "accounts": { "href": "/v1/accounts/" } } }</pre>	<pre> }] }, "recurringIndicator": "string", "validUntil": "string", "frequencyPerDay": 0, "consentStatus": "string", "_links": { "accounts": { "href": "string" } } }</pre>
--	--	--	---

DELETE [/v1/consents/{consentId}](#)

Description

With this request, the TPP can delete an account information consent object based on the **consentId**. Terminate the addressed consent.

Path Parameters

Attribute	Type	Condition	Description
consentId	string	Required	ID of the corresponding consent object as returned by an Account Information Consent Request.

Header Parameters

Attribute	Type	Condition	Description
X-Request-ID	string	Required	ID of the request, unique to the call, as determined by the initiating party.

PSU-ID	string	Required	Client ID of the PSU in the ASPSP client interface. Might be mandated in the ASPSP's documentation. Is not contained if an OAuth2 based authentication was performed in a pre-step or an OAuth2 based SCA was performed in a preceding AIS service in the same session.
PSU-IP-Address	string	Required	The forwarded IP Address header field consists of the corresponding http request IP Address field between PSU and TPP
PSU-GEO-Location	string	Required	The forwarded Geo Location of the corresponding http request between PSU and TPP if available

Command line to execute with curl

```
curl -k -X DELETE "https://bcfonline.bfer.ro:8443/psd2api/1.0.0/v1/consents/1234-wertiq-983" -H "accept: application/json" -H "X-Request-ID: 99391c7e-ad88-49ec-a2ad-99ddcb1f7721" -H "PSU-ID: PSU-1234" -H "PSU-IP-Address: 192.168.8.78" -H "PSU-GEO-Location: 44.443991, 26.084185" -H "Authorization: Bearer"
```

Request URL

<https://bcfonline.bfer.ro:8443/psd2api/1.0.0/v1/consents/1234-wertiq-983>

Response Header Parameters

Attribute	Type	Description
X-Request-ID	string	ID of the request, unique to the call, as

		determined by the initiating party.
Content-Type	string	application/json

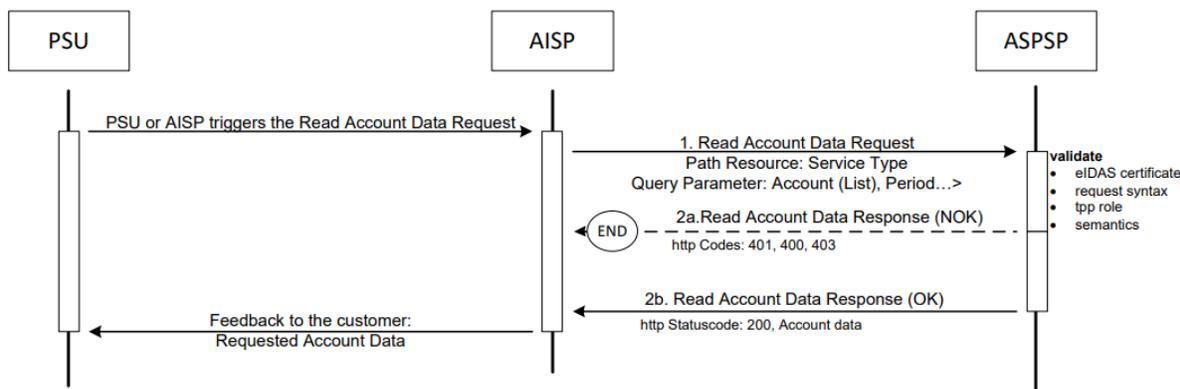
Server Response Example

Code	Description	Response Body	Response headers
200	Delete consent Response OK	{ "consentStatus": "received" }	content-type: application/xml; charset=UTF-8

Account Information Service (AIS)

The list of accessible accounts of an ASPSP related to a PSU's consent is the list of accounts, where the consent of the PSU has been granted to at least one of the defined account information types.

The Read Account Data flow is independent from the corresponding Consent Management flow. It is a simple Request/Response process as follows:



Read Account Data Flow [XS2A-IG]

Example: An ASPSP is providing IBAN1 and IBAN2 to a PSU. The PSU has granted the TPP the consent to access transactions and balances of IBAN1. In this case, the available accounts are IBAN1 and IBAN2, the list of accessible accounts consists only of IBAN1. [XS2A-IG]]

To obtain the list of the accounts the TPP has consent to access, the request GET /v1/accounts is being called. To obtain a list of transactions for a particular account ID, the GET request /v1/accounts/{accountId}/transactions can be used. This request can be customized using the query

parameters: deltaList, entryReferenceFrom, dateFrom, dateTo, bookingStatus, withBalance that are described below.

GET [/v1/accounts](#)

Description

Read all identifiers of the accounts, to which an account access has been granted to through the /consents endpoint by the PSU.

Header Parameters

Attribute	Type	Condition	Description
X-Request-ID	UUID/ string	required	ID of the request, unique to the call, as determined by the initiating party.
Consent-ID	string	required	Contains the consentId of the related AIS consent, which was performed prior to payment initiation.
PSU-IP-Address	string	required	The forwarded IP Address header field consists of the corresponding http request IP Address field between PSU and TPP.
Authorization	string	required	Authorization Header
PSU-GEO-Location	string	required	The forwarded Geo Location of the corresponding http request between PSU and TPP if available.

Command line to execute with curl

```
curl -k -X GET "https://bcfonline.bfer.ro:8443/psd2api/1.0.0/v1/accounts" -H "accept: application/json" -H "X-Request-ID: 99391c7e-ad88-49ec-a2ad-99ddcb1f7721" -H "Consent-ID: 1234-wertiq-983" -H "PSU-IP-Address: 192.168.8.78" -H "Authorization: Bearer " -H "PSU-GEO-Location: 44.443991, 26.084185"
```

Request URL

<https://bcfonline.bfer.ro:8443/psd2api/1.0.0/v1/accounts>

Response Header Parameters

Attribute	Type	Description
X-Request-ID	string	ID of the request, unique to the call, as determined by the initiating party.
Content-Type	string	application/json

Response Header Parameters

Attribute	Type	Description
X-Request-ID	string	ID of the request, unique to the call, as determined by the initiating party.
Content-Type	string	application/json

Server response Example

Code	Description	Content	Response Example
200	Get Accounts Response OK	<pre>{ "accounts": [{ "resourceId": 0, "iban": "string", "currency": "string", "product": "string", "cashAccountType": "string", "name": "string", "interimBooked": { "currency": "string", "amount": 0 }, "interimAvailable": { "currency": "string",</pre>	<pre>{ "accounts": [{ "resourceId": 1, "iban": "RO42BANK0000000100010RON", "currency": "RON", "product": "CONT CURENT", "cashAccountType": "CONT CURENT", "name": "CC. RON", "interimBooked": { "currency": "RON", "amount": 525.13 }, "interimAvailable": {</pre>

		<pre> "amount": 0 }, "balances": [{ "resourceId": 0, "iban": "string", "currency": "string", "product": "string", "cashAccountType": "string", "name": "string" }], "_links": { "transactions": { "href": "string" } }] } </pre>	<pre> "currency": "RON", "amount": 525.13 }, "balances": [{ "resourceId": 1, "iban": "RO42BANK0000000100010RON", "currency": "RON", "product": "CONT CURENT", "cashAccountType": "CONT CURENT", "name": "CC.RON" }], "_links": { "transactions": { "href": "/v1/accounts/1/transactions" } }] } </pre>
--	--	---	---

GET [/v1/accounts/{accountId}/transactions](#)

Description

Reads the transaction reports or transaction lists of a given account addressed by "**account-id**", depending on the steering parameter "**bookingStatus**" together with balances. For a given account, additional parameters are e.g. the attributes "**dateFrom**" and "**dateTo**". The ASPSP might add balance information, if transaction lists without balances are not supported.

Path Parameters

Attribute	Type	Condition	Description
accountId	string	required	This identification is denoting the addressed account. The account-id is retrieved by using a

			“Read Account List” call. The account-id is the “id” attribute of the account structure. Its value is constant at least throughout the lifecycle of a given consent
--	--	--	---

Query Parameters

Attribute	Type	Condition	Description
deltaList	string	required	This data attribute is indicating that the AISP is in favor to get all transactions after the last report access for this PSU on the addressed account. This is another implementation of a delta access-report. This delta indicator might be rejected by the ASPSP if this function is not supported. If this data element is contained, the entries "dateFrom" and "dateTo" might be ignored by the ASPSP if a delta report is supported.
entryReferenceFrom	string	required	This data attribute is indicating that the AISP is in favor to get all transactions after the transaction with identification entryReferenceFrom alternatively to the above defined period. This is a implementation of a delta access. If this data element is contained, the entries "dateFrom" and "dateTo" might be ignored by the ASPSP if a delta report is supported.
dateFrom	string	required	Starting date (inclusive the date dateFrom) of the transaction list, mandated if no delta access is required. Might be ignored if a delta function is used.
dateTo	string	required	End date (inclusive the data dateTo) of the transaction list, default is "now" if not given. Might be ignored if a delta function is used.
bookingStatus	string	required	Permitted codes are "booked", "pending" and "both" "booked" shall be supported by the ASPSP. To support the "pending" and "both" features is optional for the ASPSP, Error code if not supported in the online banking frontend.
withBalance	string	required	If contained, this function reads the list of transactions including the booking balance, if granted by the PSU in the related consent and available by the ASPSP. This parameter might be ignored by the ASPSP.

Header Parameters

Attribute	Type	Condition	Description
X-Request-ID	UUID/ string	required	ID of the request, unique to the call, as determined by the initiating party.
Consent-ID	string	required	Contains the consentId of the related AIS consent, which was performed prior to payment initiation.
PSU-IP-Address	string	required	The forwarded IP Address header field consists of the corresponding http request IP Address field between PSU and TPP.
Authorization	string	required	Authorization Header
PSU-GEO-Location	string	required	The forwarded Geo Location of the corresponding http request between PSU and TPP if available.

Command line to execute with curl

curl -k -X GET

```
"https://bcfonline.bfer.ro:8443/psd2api/1.0.0/v1/accounts/acc_1234/transactions?deltaList=1&entryReferenceFrom=12345&dateFrom=01.01.2019&dateTo=01.12.2019&bookingStatus=booked&withBalance=Y" -H "accept: application/json" -H "X-Request-ID: 99391c7e-ad88-49ec-a2ad-99ddcb1f7721" -H "Consent-ID: 1234-wertiq-983" -H "PSU-IP-Address: 192.168.8.78" -H "Authorization: Bearer " -H "PSU-GEO-Location: 44.443991, 26.084185"
```

Request URL

```
https://bcfonline.bfer.ro:8443/psd2api/1.0.0/v1/accounts/acc_1234/transactions?deltaList=1&entryReferenceFrom=12345&dateFrom=01.01.2019&dateTo=01.12.2019&bookingStatus=booked&withBalance=Y
```

Response Header Parameters

Attribute	Type	Description
X-Request-ID	string	ID of the request, unique to the call, as

		determined by the initiating party.
Content-Type	string	application/json

Response Header Parameters

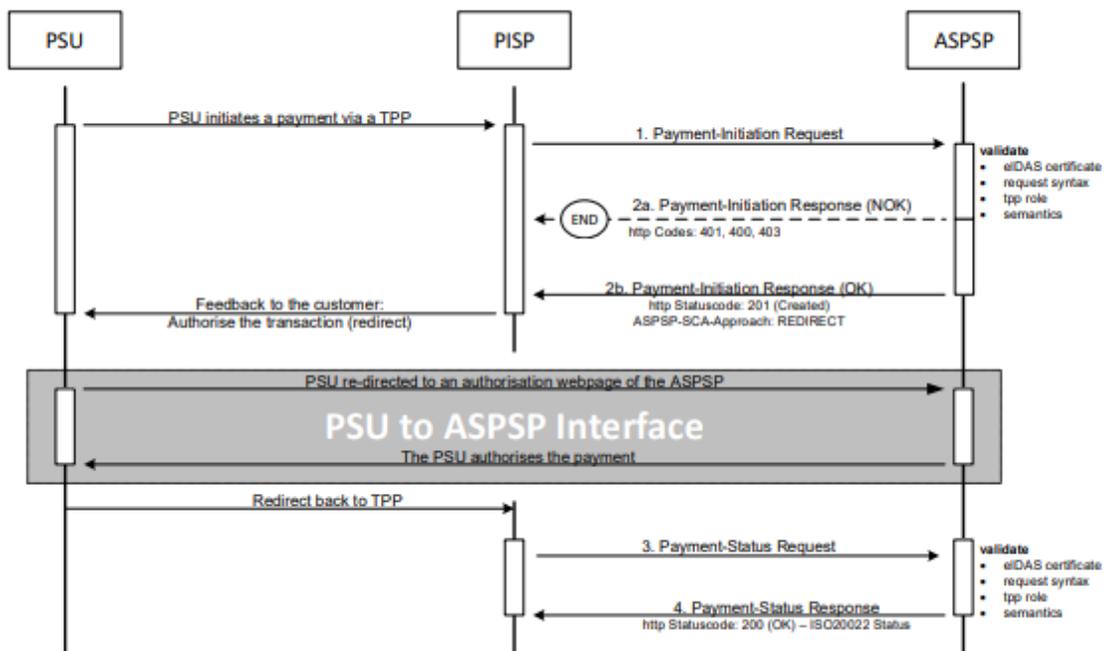
Attribute	Type	Description
X-Request-ID	string	ID of the request, unique to the call, as determined by the initiating party.
Content-Type	string	application/json

Server response Example

Code	Description	Response Example	Content
200	Get Account Transactions Response OK	<pre>{ "transactions": { "booked": [{ "transactionId": "1234567", "creditorName": "John Miles", "creditorAccount": { "iban": "DE67100100101306118605" }, "transactionAmount": { "currency": "EUR", "amount": 256.67 }, "bookingDate": "2018-12-10T14:00:03", "valueDate": "2018-12-11T14:00:03", "remittanceInformationUnstructured": "Example 1" }] } }</pre>	<pre>{ "transactions": { "booked": [{ "transactionId": "string", "creditorName": "string", "creditorAccount": { "iban": "string" }, "transactionAmount": { "currency": "string", "amount": 0 }, "bookingDate": "string", "valueDate": "string", "remittanceInformationUnstructured": "string" }] } }</pre>

Payment Initiation Service (PIS)

PSU initiates a payment through a TPP, using a POST request `/v1/payments/sepa-credit-transfers`. The PSU will have to give consent for the payment in an authorization page of the ASPSP (bank). If the authorization is successful, he will be redirected back to the TPP page where the payment can continue. The POST request will generate a `paymentId` to uniquely identify the payment. Using the `paymentId`, through the GET `/v1/payments/sepa-credit-transfers/<paymentId>/status`, the status of the payment can be validated. The TPP can also delete a payment request, using the DELETE request `/v1/payments/sepa-credit-transfers/{paymentId}`.



Redirect SCA Approach: Implicit Start of the Authorization Process [XS2A-IG]

POST [/v1/payments/sepa-credit-transfers](#)

Description

This method is used to initiate a payment at the ASPSP. Creates a payment initiation resource addressable under `{paymentId}` with all data relevant for the corresponding payment product. This is the first step in the API to initiate the related payment.

Body Parameters

Attribute	Type	Content	Description
Payload	<i>application/json</i>	<pre>{ "instructedAmount": { "currency": "string", "amount": "string" }, "debtorAccount": { "iban": "string" }, "creditorName": "string", "creditorAccount": { "iban": "string" }, "remittanceInformationUnstructured": "string" }</pre>	JSON request body for a payment initiation request message

Header Parameters

Attribute	Type	Condition	Description
X-Request-ID	UUID/ string	required	ID of the request, unique to the call, as determined by the initiating party.
PSU-IP-Address	string	required	The forwarded IP Address header field consists of the corresponding http request IP Address field between PSU and TPP.
PSU-GEO-Location	string	required	The forwarded Geo Location of the corresponding http request between PSU and TPP if available.

Command line to execute with curl

```
curl -k -X POST "https://bcfonline.bfer.ro:8443/psd2api/1.0.0/v1/payments/sepa-credit-transfers" -H "accept: application/json" -H "X-Request-ID: 99391c7e-ad88-49ec-a2ad-99ddcb1f7721" -H "PSU-IP-Address: 192.168.8.78" -H "PSU-GEO-Location: 44.443991, 26.084185" -H "Content-Type: application/json" -H "Authorization: Bearer " -d "{ \"instructedAmount\": { \"currency\": \"RON\", \"amount\": \"10000\" },
```

```
\\"debtorAccount\\": { \\"iban\\": \\"string\\" }, \\"creditorName\\": \\"John B.\\", \\"creditorAccount\\": { \\"iban\\": \\"RO49 AAAA 1B31 0075 9384 0000\\" }, \\"remittanceInformationUnstructured\\": \\"tst\\"}"
```

Request URL

<https://bcfonline.bfer.ro:8443/psd2api/1.0.0/v1/payments/sepa-credit-transfers>

Response Header Parameters

Attribute	Type	Description
X-Request-ID	string	ID of the request, unique to the call, as determined by the initiating party.
Content-Type	string	application/json

Server Response Example

Code	Description	Content	Response Example
201	Post Payment SCT Response OK	<pre>{ "transactionStatus": "string", "paymentId": "string", "_links": { "self": { "href": "string" }, "status": { "href": "string" }, "startAuthorisation": { "href": "string" }, "scaStatus": { "href": "string" }, "scaRedirect": { "href": "string" } } }</pre>	<pre>{ "transactionStatus": "RCVD", "paymentId": "16", "_links": { "self": { "href": "/v1/payments/sepa-credit-transfers/16" }, "status": { "href": "/v1/payments/sepa-credit-transfers/16/status" }, "startAuthorisation": { "href": "/v1/payments/sepa-credit-transfers/16/authorisations" }, "scaStatus": { "href": "/v1/payments/sepa-credit-transfers/16/authorisations/5" } }, }</pre>

			<pre> "scaRedirect": { "href": "https://apex.getik.net/BANK-sca- payment/login/16" } } } </pre>
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Response Header Parameters

Attribute	Type	Description
X-Request-ID	string	ID of the request, unique to the call, as determined by the initiating party.
ASPSP-SCA-Approach	string	This data element must be contained, if the SCA Approach is already fixed. Possible values are: EMBEDDED DECOUPLED REDIRECT The OAuth SCA approach will be subsumed by REDIRECT.
Location	string	The location header of the response will usually contain a link to the created resource.
Content-Type	string	application/json

GET [/v1/payments/sepa-credit-transfers/{paymentId}/status](#)

Check the transaction status of a payment initiation.

Path Parameters

Attribute	Type	Condition	Description
paymentId	string	required	Resource identification of the

			generated payment initiation resource.
--	--	--	--

Header Parameters

Attribute	Type	Condition	Description
X-Request-ID	UUID/ string	required	ID of the request, unique to the call, as determined by the initiating party.
PSU-IP-Address	string	required	The forwarded IP Address header field consists of the corresponding http request IP Address field between PSU and TPP.
PSU-GEO-Location	string	required	The forwarded Geo Location of the corresponding http request between PSU and TPP if available.

Command line to execute with curl

```
curl -k -X GET "https://bcfonline.bfer.ro:8443/psd2api/1.0.0/v1/accounts" -H "accept: application/json" -H "X-Request-ID: 99391c7e-ad88-49ec-a2ad-99ddcb1f7721" -H "Consent-ID: 1234-wertiq-983" -H "PSU-IP-Address: 192.168.8.78" -H "Authorization: Bearer " -H "PSU-GEO-Location: 44.443991, 26.084185"
```

Request URL

<https://bcfonline.bfer.ro:8443/psd2api/1.0.0/v1/payments/sepa-credit-transfers/5/status>

Response Header Parameters

Attribute	Type	Description
X-Request-ID	string	ID of the request, unique to the call, as determined by the initiating party.
Content-Type	string	application/json

Server response Example

Code	Description	Content	Response Example
200	Post Payment SCT Status Response OK	{ "transactionStatus": "string" }	{ "transactionStatus": "RCVD" }

DELETE [/v1/payments/sepa-credit-transfers/{paymentId}](#)

Description

This method initiates the cancellation of a payment. Cancels the addressed payment with resource identification **paymentId** if applicable to the payment-service, payment-product and received in product related timelines (e.g. before end of business day for scheduled payments of the last business day before the scheduled execution day).

The response to this DELETE command will tell the TPP whether the

- access method was rejected
- access method was successful
- access method is generally applicable, but further authorisation processes are needed.

Path Parameters

Attribute	Type	Condition	Description
paymentId	string	Required	Resource identification of the generated payment initiation resource.

Header Parameters

Attribute	Type	Condition	Description
X-Request-ID	string	Required	ID of the request, unique to the call, as determined by the initiating party.
PSU-IP-Address	string	Required	The forwarded IP Address header field consists of the

			corresponding http request IP Address field between PSU and TPP
PSU-GEO-Location	string	Required	The forwarded Geo Location of the corresponding http request between PSU and TPP if available

Command line to execute with curl

```
curl -k -X DELETE "https://bcfonline.bfer.ro:8443/psd2api/1.0.0/v1/payments/sepa-credit-transfers/5" -H "accept: application/json" -H "X-Request-ID: 99391c7e-ad88-49ec-a2ad-99ddcb1f7721" -H "PSU-IP-Address: 192.168.8.78" -H "PSU-GEO-Location: 44.443991, 26.084185" -H "Authorization: Bearer "
```

Request URL

<https://bcfonline.bfer.ro:8443/psd2api/1.0.0/v1/payments/sepa-credit-transfers/5>

Response Header Parameters

Attribute	Type	Description
X-Request-ID	string	ID of the request, unique to the call, as determined by the initiating party.
Content-Type	string	application/json

Server Response Example

Code	Description	Response Body	Response headers
200	Delete Payment SCT Response OK	{ "transactionStatus": "string" }	content-type: application/xml; charset=UTF-8

References

[XS2A-IG] NextGenPSD2 XS2A Framework – Implementation Guidelines, version 1.3, published 19 October 2018