**BG PSD2 API**

## v.1.3 Dec 20th 2018 - Open Api v.3.0.1

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Summary

The **NextGenPSD2** *Framework Version 1.3* offers a modern, open, harmonised and interoperable set of  
Application Programming Interfaces (APIs) as the safest and most efficient way to provide data securely.  
The NextGenPSD2 Framework reduces XS2A complexity and costs, addresses the problem of multiple competing standards  
in Europe and, aligned with the goals of the Euro Retail Payments Board,  
enables European banking customers to benefit from innovative products and services ('Banking as a Service')  
by granting TPPs safe and secure (authenticated and authorised) access to their bank accounts and financial data.

The possible Approaches are:

* Redirect SCA Approach
* OAuth SCA Approach
* Decoupled SCA Approach
* Embedded SCA Approach without SCA method
* Embedded SCA Approach with only one SCA method available
* Embedded SCA Approach with Selection of a SCA methodNot every message defined in this API definition is necessary for all approaches.  
  Furthermore this API definition does not differ between methods which are mandatory, conditional, or optional  
  Therefore for a particular implementation of a Berlin Group PSD2 compliant API it is only necessary to support  
  a certain subset of the methods defined in this API definition.**Please have a look at the implementation guidelines if you are not sure**  
  **which message has to be used for the approach you are going to use.**

Some General Remarks Related to this version of the OpenAPI Specification:

* **This API definition is based on the Implementation Guidelines of the Berlin Group PSD2 API.**  
  It is not an replacement in any sense.  
  The main specification is (at the moment) always the Implementation Guidelines of the Berlin Group PSD2 API.
* **This API definition contains the REST-API for requests from the PISP to the ASPSP.**
* **This API definition contains the messages for all different approaches defined in the Implementation Guidelines.**
* According to the OpenAPI-Specification [https://github.com/OAI/OpenAPI-Specification/blob/master/versions/3.0.1.md]

"If in is "header" and the name field is "Accept", "Content-Type" or "Authorization", the parameter definition SHALL be ignored."

The element "Accept" will not be defined in this file at any place.

The elements "Content-Type" and "Authorization" are implicitly defined by the OpenApi tags "content" and "security".

* There are several predefined types which might occur in payment initiation messages,  
  but are not used in the standard JSON messages in the Implementation Guidelines.  
  Therefore they are not used in the corresponding messages in this file either.  
  We added them for the convenience of the user.  
  If there is a payment product, which need these field, one can easily use the predefined types.  
  But the ASPSP need not to accept them in general.
* **We omit the definition of all standard HTTP header elements (mandatory/optional/conditional)**  
  **except they are mention in the Implementation Guidelines.**  
  Therefore the implementer might add the in his own realisation of a PSD2 comlient API in addition to the elements define in this file.

General Remarks on Data Types

The Berlin Group definition of UTF-8 strings in context of the PSD2 API have to support at least the following characters

a b c d e f g h i j k l m n o p q r s t u v w x y z

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z

0 1 2 3 4 5 6 7 8 9

/ - ? : ( ) . , ' +

Space

## /v1/{payment-service}/{payment-product}

### POST */v1/{payment-service}/{payment-product}*

Payment initiation request

#### Path Parameters:

|  |  |
| --- | --- |
| **Name** | **Type** |
| **Description** | |
| **payment-service** | *string* |
| Payment service:  Possible values are:   * payments * bulk-payments * periodic-payments | |
| **payment-product** | *string* |
| The addressed payment product endpoint, e.g. for SEPA Credit Transfers (SCT). The ASPSP will publish which of the payment products/endpoints will be supported.  The following payment products are supported:   * sepa-credit-transfers * instant-sepa-credit-transfers * target-2-payments * cross-border-credit-transfers * pain.001-sepa-credit-transfers * pain.001-instant-sepa-credit-transfers * pain.001-target-2-payments * pain.001-cross-border-credit-transfers   **Remark:** For all SEPA Credit Transfer based endpoints which accept XML encoding, the XML pain.001 schemes provided by EPC are supported by the ASPSP as a minimum for the body content. Further XML schemes might be supported by some communities.  **Remark:** For cross-border and TARGET-2 payments only community wide pain.001 schemes do exist. There are plenty of country specificic scheme variants. | |

#### Header Attributes:

|  |  |
| --- | --- |
| **Name** | **Type** |
| **Description** | |
| **X-Request-ID** | *string* |
| ID of the request, unique to the call, as determined by the initiating party. | |
| **Digest** | *string* |
| Is contained if and only if the "Signature" element is contained in the header of the request. | |
| **Signature** | *string* |
| A signature of the request by the TPP on application level. This might be mandated by ASPSP. | |
| **TPP-Signature-Certificate** | *string* |
| The certificate used for signing the request, in base64 encoding. Must be contained if a signature is contained. | |
| **PSU-ID** | *string* |
| 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 an preceeding AIS service in the same session. | |
| **PSU-ID-Type** | *string* |
| Type of the PSU-ID, needed in scenarios where PSUs have several PSU-IDs as access possibility. | |
| **PSU-Corporate-ID** | *string* |
| Might be mandated in the ASPSP's documentation. Only used in a corporate context. | |
| **PSU-Corporate-ID-Type** | *string* |
| Might be mandated in the ASPSP's documentation. Only used in a corporate context. | |
| **Consent-ID** | *string* |
| This data element may be contained, if the payment initiation transaction is part of a session, i.e. combined AIS/PIS service. This then contains the consentId of the related AIS consent, which was performed prior to this payment initiation. | |
| **PSU-IP-Address** | *string* |
| The forwarded IP Address header field consists of the corresponding http request IP Address field between PSU and TPP. | |
| **TPP-Redirect-Preferred** | *string* |
| If it equals "true", the TPP prefers a redirect over an embedded SCA approach. If it equals "false", the TPP prefers not to be redirected for SCA. The ASPSP will then choose between the Embedded or the Decoupled SCA approach, depending on the choice of the SCA procedure by the TPP/PSU. If the parameter is not used, the ASPSP will choose the SCA approach to be applied depending on the SCA method chosen by the TPP/PSU. | |
| **TPP-Redirect-URI** | *string* |
| URI of the TPP, where the transaction flow shall be redirected to after a Redirect.  Mandated for the Redirect SCA Approach (including OAuth2 SCA approach), specifically when TPP-Redirect-Preferred equals "true". It is recommended to always use this header field.  **Remark for Future:** This field might be changed to mandatory in the next version of the specification. | |
| **TPP-Nok-Redirect-URI** | *string* |
| If this URI is contained, the TPP is asking to redirect the transaction flow to this address instead of the TPP-Redirect-URI in case of a negative result of the redirect SCA method. This might be ignored by the ASPSP. | |
| **TPP-Explicit-Authorisation-Preferred** | *string* |
| If it equals "true", the TPP prefers to start the authorisation process separately, e.g. because of the usage of a signing basket. This preference might be ignored by the ASPSP, if a signing basket is not supported as functionality.  If it equals "false" or if the parameter is not used, there is no preference of the TPP. This especially indicates that the TPP assumes a direct authorisation of the transaction in the next step, without using a signing basket. | |
| **PSU-IP-Port** | *string* |
| The forwarded IP Port header field consists of the corresponding HTTP request IP Port field between PSU and TPP, if available. | |
| **PSU-Accept** | *string* |
| The forwarded IP Accept header fields consist of the corresponding HTTP request Accept header fields between PSU and TPP, if available. | |
| **PSU-Accept-Charset** | *string* |
| The forwarded IP Accept header fields consist of the corresponding HTTP request Accept header fields between PSU and TPP, if available. | |
| **PSU-Accept-Encoding** | *string* |
| The forwarded IP Accept header fields consist of the corresponding HTTP request Accept header fields between PSU and TPP, if available. | |
| **PSU-Accept-Language** | *string* |
| The forwarded IP Accept header fields consist of the corresponding HTTP request Accept header fields between PSU and TPP, if available. | |
| **PSU-User-Agent** | *string* |
| The forwarded Agent header field of the HTTP request between PSU and TPP, if available. | |
| **PSU-Http-Method** | *string* |
| HTTP method used at the PSU ? TPP interface, if available. Valid values are:   * GET * POST * PUT * PATCH * DELETE | |
| **PSU-Device-ID** | *string* |
| UUID (Universally Unique Identifier) for a device, which is used by the PSU, if available. UUID identifies either a device or a device dependant application installation. In case of an installation identification this ID need to be unaltered until removal from device. | |
| **PSU-Geo-Location** | *string* |
| The forwarded Geo Location of the corresponding http request between PSU and TPP if available. | |

## /v1/{payment-service}/{payment-product}/{paymentId}

### GET */v1/{payment-service}/{payment-product}/{paymentId}*

Get Payment Information

#### Path Parameters:

|  |  |
| --- | --- |
| **Name** | **Type** |
| **Description** | |
| **payment-service** | *string* |
| Payment service:  Possible values are:   * payments * bulk-payments * periodic-payments | |
| **payment-product** | *string* |
| The addressed payment product endpoint, e.g. for SEPA Credit Transfers (SCT). The ASPSP will publish which of the payment products/endpoints will be supported.  The following payment products are supported:   * sepa-credit-transfers * instant-sepa-credit-transfers * target-2-payments * cross-border-credit-transfers * pain.001-sepa-credit-transfers * pain.001-instant-sepa-credit-transfers * pain.001-target-2-payments * pain.001-cross-border-credit-transfers   **Remark:** For all SEPA Credit Transfer based endpoints which accept XML encoding, the XML pain.001 schemes provided by EPC are supported by the ASPSP as a minimum for the body content. Further XML schemes might be supported by some communities.  **Remark:** For cross-border and TARGET-2 payments only community wide pain.001 schemes do exist. There are plenty of country specificic scheme variants. | |
| **paymentId** | *string* |
| Resource identification of the generated payment initiation resource. | |

#### Header Attributes:

|  |  |
| --- | --- |
| **Name** | **Type** |
| **Description** | |
| **X-Request-ID** | *string* |
| ID of the request, unique to the call, as determined by the initiating party. | |
| **Digest** | *string* |
| Is contained if and only if the "Signature" element is contained in the header of the request. | |
| **Signature** | *string* |
| A signature of the request by the TPP on application level. This might be mandated by ASPSP. | |
| **TPP-Signature-Certificate** | *string* |
| The certificate used for signing the request, in base64 encoding. Must be contained if a signature is contained. | |
| **PSU-IP-Address** | *string* |
| The forwarded IP Address header field consists of the corresponding http request IP Address field between PSU and TPP. | |
| **PSU-IP-Port** | *string* |
| The forwarded IP Port header field consists of the corresponding HTTP request IP Port field between PSU and TPP, if available. | |
| **PSU-Accept** | *string* |
| The forwarded IP Accept header fields consist of the corresponding HTTP request Accept header fields between PSU and TPP, if available. | |
| **PSU-Accept-Charset** | *string* |
| The forwarded IP Accept header fields consist of the corresponding HTTP request Accept header fields between PSU and TPP, if available. | |
| **PSU-Accept-Encoding** | *string* |
| The forwarded IP Accept header fields consist of the corresponding HTTP request Accept header fields between PSU and TPP, if available. | |
| **PSU-Accept-Language** | *string* |
| The forwarded IP Accept header fields consist of the corresponding HTTP request Accept header fields between PSU and TPP, if available. | |
| **PSU-User-Agent** | *string* |
| The forwarded Agent header field of the HTTP request between PSU and TPP, if available. | |
| **PSU-Http-Method** | *string* |
| HTTP method used at the PSU ? TPP interface, if available. Valid values are:   * GET * POST * PUT * PATCH * DELETE | |
| **PSU-Device-ID** | *string* |
| UUID (Universally Unique Identifier) for a device, which is used by the PSU, if available. UUID identifies either a device or a device dependant application installation. In case of an installation identification this ID need to be unaltered until removal from device. | |
| **PSU-Geo-Location** | *string* |
| The forwarded Geo Location of the corresponding http request between PSU and TPP if available. | |

### DELETE */v1/{payment-service}/{payment-product}/{paymentId}*

Payment Cancellation Request

#### Path Parameters:

|  |  |
| --- | --- |
| **Name** | **Type** |
| **Description** | |
| **payment-service** | *string* |
| Payment service:  Possible values are:   * payments * bulk-payments * periodic-payments | |
| **payment-product** | *string* |
| The addressed payment product endpoint, e.g. for SEPA Credit Transfers (SCT). The ASPSP will publish which of the payment products/endpoints will be supported.  The following payment products are supported:   * sepa-credit-transfers * instant-sepa-credit-transfers * target-2-payments * cross-border-credit-transfers * pain.001-sepa-credit-transfers * pain.001-instant-sepa-credit-transfers * pain.001-target-2-payments * pain.001-cross-border-credit-transfers   **Remark:** For all SEPA Credit Transfer based endpoints which accept XML encoding, the XML pain.001 schemes provided by EPC are supported by the ASPSP as a minimum for the body content. Further XML schemes might be supported by some communities.  **Remark:** For cross-border and TARGET-2 payments only community wide pain.001 schemes do exist. There are plenty of country specificic scheme variants. | |
| **paymentId** | *string* |
| Resource identification of the generated payment initiation resource. | |

#### Header Attributes:

|  |  |
| --- | --- |
| **Name** | **Type** |
| **Description** | |
| **X-Request-ID** | *string* |
| ID of the request, unique to the call, as determined by the initiating party. | |
| **Digest** | *string* |
| Is contained if and only if the "Signature" element is contained in the header of the request. | |
| **Signature** | *string* |
| A signature of the request by the TPP on application level. This might be mandated by ASPSP. | |
| **TPP-Signature-Certificate** | *string* |
| The certificate used for signing the request, in base64 encoding. Must be contained if a signature is contained. | |
| **PSU-IP-Address** | *string* |
| The forwarded IP Address header field consists of the corresponding http request IP Address field between PSU and TPP. | |
| **PSU-IP-Port** | *string* |
| The forwarded IP Port header field consists of the corresponding HTTP request IP Port field between PSU and TPP, if available. | |
| **PSU-Accept** | *string* |
| The forwarded IP Accept header fields consist of the corresponding HTTP request Accept header fields between PSU and TPP, if available. | |
| **PSU-Accept-Charset** | *string* |
| The forwarded IP Accept header fields consist of the corresponding HTTP request Accept header fields between PSU and TPP, if available. | |
| **PSU-Accept-Encoding** | *string* |
| The forwarded IP Accept header fields consist of the corresponding HTTP request Accept header fields between PSU and TPP, if available. | |
| **PSU-Accept-Language** | *string* |
| The forwarded IP Accept header fields consist of the corresponding HTTP request Accept header fields between PSU and TPP, if available. | |
| **PSU-User-Agent** | *string* |
| The forwarded Agent header field of the HTTP request between PSU and TPP, if available. | |
| **PSU-Http-Method** | *string* |
| HTTP method used at the PSU ? TPP interface, if available. Valid values are:   * GET * POST * PUT * PATCH * DELETE | |
| **PSU-Device-ID** | *string* |
| UUID (Universally Unique Identifier) for a device, which is used by the PSU, if available. UUID identifies either a device or a device dependant application installation. In case of an installation identification this ID need to be unaltered until removal from device. | |
| **PSU-Geo-Location** | *string* |
| The forwarded Geo Location of the corresponding http request between PSU and TPP if available. | |

## /v1/{payment-service}/{payment-product}/{paymentId}/status

### GET */v1/{payment-service}/{payment-product}/{paymentId}/status*

Payment initiation status request

#### Path Parameters:

|  |  |
| --- | --- |
| **Name** | **Type** |
| **Description** | |
| **payment-service** | *string* |
| Payment service:  Possible values are:   * payments * bulk-payments * periodic-payments | |
| **payment-product** | *string* |
| The addressed payment product endpoint, e.g. for SEPA Credit Transfers (SCT). The ASPSP will publish which of the payment products/endpoints will be supported.  The following payment products are supported:   * sepa-credit-transfers * instant-sepa-credit-transfers * target-2-payments * cross-border-credit-transfers * pain.001-sepa-credit-transfers * pain.001-instant-sepa-credit-transfers * pain.001-target-2-payments * pain.001-cross-border-credit-transfers   **Remark:** For all SEPA Credit Transfer based endpoints which accept XML encoding, the XML pain.001 schemes provided by EPC are supported by the ASPSP as a minimum for the body content. Further XML schemes might be supported by some communities.  **Remark:** For cross-border and TARGET-2 payments only community wide pain.001 schemes do exist. There are plenty of country specificic scheme variants. | |
| **paymentId** | *string* |
| Resource identification of the generated payment initiation resource. | |

#### Header Attributes:

|  |  |
| --- | --- |
| **Name** | **Type** |
| **Description** | |
| **X-Request-ID** | *string* |
| ID of the request, unique to the call, as determined by the initiating party. | |
| **Digest** | *string* |
| Is contained if and only if the "Signature" element is contained in the header of the request. | |
| **Signature** | *string* |
| A signature of the request by the TPP on application level. This might be mandated by ASPSP. | |
| **TPP-Signature-Certificate** | *string* |
| The certificate used for signing the request, in base64 encoding. Must be contained if a signature is contained. | |
| **PSU-IP-Address** | *string* |
| The forwarded IP Address header field consists of the corresponding http request IP Address field between PSU and TPP. | |
| **PSU-IP-Port** | *string* |
| The forwarded IP Port header field consists of the corresponding HTTP request IP Port field between PSU and TPP, if available. | |
| **PSU-Accept** | *string* |
| The forwarded IP Accept header fields consist of the corresponding HTTP request Accept header fields between PSU and TPP, if available. | |
| **PSU-Accept-Charset** | *string* |
| The forwarded IP Accept header fields consist of the corresponding HTTP request Accept header fields between PSU and TPP, if available. | |
| **PSU-Accept-Encoding** | *string* |
| The forwarded IP Accept header fields consist of the corresponding HTTP request Accept header fields between PSU and TPP, if available. | |
| **PSU-Accept-Language** | *string* |
| The forwarded IP Accept header fields consist of the corresponding HTTP request Accept header fields between PSU and TPP, if available. | |
| **PSU-User-Agent** | *string* |
| The forwarded Agent header field of the HTTP request between PSU and TPP, if available. | |
| **PSU-Http-Method** | *string* |
| HTTP method used at the PSU ? TPP interface, if available. Valid values are:   * GET * POST * PUT * PATCH * DELETE | |
| **PSU-Device-ID** | *string* |
| UUID (Universally Unique Identifier) for a device, which is used by the PSU, if available. UUID identifies either a device or a device dependant application installation. In case of an installation identification this ID need to be unaltered until removal from device. | |
| **PSU-Geo-Location** | *string* |
| The forwarded Geo Location of the corresponding http request between PSU and TPP if available. | |

## /v1/{payment-service}/{payment-product}/{paymentId}/authorisations

### POST */v1/{payment-service}/{payment-product}/{paymentId}/authorisations*

Start the authorisation process for a payment initiation

#### Path Parameters:

|  |  |
| --- | --- |
| **Name** | **Type** |
| **Description** | |
| **payment-service** | *string* |
| Payment service:  Possible values are:   * payments * bulk-payments * periodic-payments | |
| **payment-product** | *string* |
| The addressed payment product endpoint, e.g. for SEPA Credit Transfers (SCT). The ASPSP will publish which of the payment products/endpoints will be supported.  The following payment products are supported:   * sepa-credit-transfers * instant-sepa-credit-transfers * target-2-payments * cross-border-credit-transfers * pain.001-sepa-credit-transfers * pain.001-instant-sepa-credit-transfers * pain.001-target-2-payments * pain.001-cross-border-credit-transfers   **Remark:** For all SEPA Credit Transfer based endpoints which accept XML encoding, the XML pain.001 schemes provided by EPC are supported by the ASPSP as a minimum for the body content. Further XML schemes might be supported by some communities.  **Remark:** For cross-border and TARGET-2 payments only community wide pain.001 schemes do exist. There are plenty of country specificic scheme variants. | |
| **paymentId** | *string* |
| Resource identification of the generated payment initiation resource. | |

#### Header Attributes:

|  |  |
| --- | --- |
| **Name** | **Type** |
| **Description** | |
| **X-Request-ID** | *string* |
| ID of the request, unique to the call, as determined by the initiating party. | |
| **PSU-ID** | *string* |
| 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 an preceeding AIS service in the same session. | |
| **PSU-ID-Type** | *string* |
| Type of the PSU-ID, needed in scenarios where PSUs have several PSU-IDs as access possibility. | |
| **PSU-Corporate-ID** | *string* |
| Might be mandated in the ASPSP's documentation. Only used in a corporate context. | |
| **PSU-Corporate-ID-Type** | *string* |
| Might be mandated in the ASPSP's documentation. Only used in a corporate context. | |
| **Digest** | *string* |
| Is contained if and only if the "Signature" element is contained in the header of the request. | |
| **Signature** | *string* |
| A signature of the request by the TPP on application level. This might be mandated by ASPSP. | |
| **TPP-Signature-Certificate** | *string* |
| The certificate used for signing the request, in base64 encoding. Must be contained if a signature is contained. | |
| **PSU-IP-Address** | *string* |
| The forwarded IP Address header field consists of the corresponding http request IP Address field between PSU and TPP. | |
| **PSU-IP-Port** | *string* |
| The forwarded IP Port header field consists of the corresponding HTTP request IP Port field between PSU and TPP, if available. | |
| **PSU-Accept** | *string* |
| The forwarded IP Accept header fields consist of the corresponding HTTP request Accept header fields between PSU and TPP, if available. | |
| **PSU-Accept-Charset** | *string* |
| The forwarded IP Accept header fields consist of the corresponding HTTP request Accept header fields between PSU and TPP, if available. | |
| **PSU-Accept-Encoding** | *string* |
| The forwarded IP Accept header fields consist of the corresponding HTTP request Accept header fields between PSU and TPP, if available. | |
| **PSU-Accept-Language** | *string* |
| The forwarded IP Accept header fields consist of the corresponding HTTP request Accept header fields between PSU and TPP, if available. | |
| **PSU-User-Agent** | *string* |
| The forwarded Agent header field of the HTTP request between PSU and TPP, if available. | |
| **PSU-Http-Method** | *string* |
| HTTP method used at the PSU ? TPP interface, if available. Valid values are:   * GET * POST * PUT * PATCH * DELETE | |
| **PSU-Device-ID** | *string* |
| UUID (Universally Unique Identifier) for a device, which is used by the PSU, if available. UUID identifies either a device or a device dependant application installation. In case of an installation identification this ID need to be unaltered until removal from device. | |
| **PSU-Geo-Location** | *string* |
| The forwarded Geo Location of the corresponding http request between PSU and TPP if available. | |

### GET */v1/{payment-service}/{payment-product}/{paymentId}/authorisations*

Get Payment Initiation Authorisation Sub-Resources Request

#### Path Parameters:

|  |  |
| --- | --- |
| **Name** | **Type** |
| **Description** | |
| **payment-service** | *string* |
| Payment service:  Possible values are:   * payments * bulk-payments * periodic-payments | |
| **payment-product** | *string* |
| The addressed payment product endpoint, e.g. for SEPA Credit Transfers (SCT). The ASPSP will publish which of the payment products/endpoints will be supported.  The following payment products are supported:   * sepa-credit-transfers * instant-sepa-credit-transfers * target-2-payments * cross-border-credit-transfers * pain.001-sepa-credit-transfers * pain.001-instant-sepa-credit-transfers * pain.001-target-2-payments * pain.001-cross-border-credit-transfers   **Remark:** For all SEPA Credit Transfer based endpoints which accept XML encoding, the XML pain.001 schemes provided by EPC are supported by the ASPSP as a minimum for the body content. Further XML schemes might be supported by some communities.  **Remark:** For cross-border and TARGET-2 payments only community wide pain.001 schemes do exist. There are plenty of country specificic scheme variants. | |
| **paymentId** | *string* |
| Resource identification of the generated payment initiation resource. | |

#### Header Attributes:

|  |  |
| --- | --- |
| **Name** | **Type** |
| **Description** | |
| **X-Request-ID** | *string* |
| ID of the request, unique to the call, as determined by the initiating party. | |
| **Digest** | *string* |
| Is contained if and only if the "Signature" element is contained in the header of the request. | |
| **Signature** | *string* |
| A signature of the request by the TPP on application level. This might be mandated by ASPSP. | |
| **TPP-Signature-Certificate** | *string* |
| The certificate used for signing the request, in base64 encoding. Must be contained if a signature is contained. | |
| **PSU-IP-Address** | *string* |
| The forwarded IP Address header field consists of the corresponding http request IP Address field between PSU and TPP. | |
| **PSU-IP-Port** | *string* |
| The forwarded IP Port header field consists of the corresponding HTTP request IP Port field between PSU and TPP, if available. | |
| **PSU-Accept** | *string* |
| The forwarded IP Accept header fields consist of the corresponding HTTP request Accept header fields between PSU and TPP, if available. | |
| **PSU-Accept-Charset** | *string* |
| The forwarded IP Accept header fields consist of the corresponding HTTP request Accept header fields between PSU and TPP, if available. | |
| **PSU-Accept-Encoding** | *string* |
| The forwarded IP Accept header fields consist of the corresponding HTTP request Accept header fields between PSU and TPP, if available. | |
| **PSU-Accept-Language** | *string* |
| The forwarded IP Accept header fields consist of the corresponding HTTP request Accept header fields between PSU and TPP, if available. | |
| **PSU-User-Agent** | *string* |
| The forwarded Agent header field of the HTTP request between PSU and TPP, if available. | |
| **PSU-Http-Method** | *string* |
| HTTP method used at the PSU ? TPP interface, if available. Valid values are:   * GET * POST * PUT * PATCH * DELETE | |
| **PSU-Device-ID** | *string* |
| UUID (Universally Unique Identifier) for a device, which is used by the PSU, if available. UUID identifies either a device or a device dependant application installation. In case of an installation identification this ID need to be unaltered until removal from device. | |
| **PSU-Geo-Location** | *string* |
| The forwarded Geo Location of the corresponding http request between PSU and TPP if available. | |

## /v1/{payment-service}/{payment-product}/{paymentId}/authorisations/{authorisationId}

### GET */v1/{payment-service}/{payment-product}/{paymentId}/authorisations/{authorisationId}*

Read the SCA Status of the payment authorisation

#### Path Parameters:

|  |  |
| --- | --- |
| **Name** | **Type** |
| **Description** | |
| **payment-service** | *string* |
| Payment service:  Possible values are:   * payments * bulk-payments * periodic-payments | |
| **payment-product** | *string* |
| The addressed payment product endpoint, e.g. for SEPA Credit Transfers (SCT). The ASPSP will publish which of the payment products/endpoints will be supported.  The following payment products are supported:   * sepa-credit-transfers * instant-sepa-credit-transfers * target-2-payments * cross-border-credit-transfers * pain.001-sepa-credit-transfers * pain.001-instant-sepa-credit-transfers * pain.001-target-2-payments * pain.001-cross-border-credit-transfers   **Remark:** For all SEPA Credit Transfer based endpoints which accept XML encoding, the XML pain.001 schemes provided by EPC are supported by the ASPSP as a minimum for the body content. Further XML schemes might be supported by some communities.  **Remark:** For cross-border and TARGET-2 payments only community wide pain.001 schemes do exist. There are plenty of country specificic scheme variants. | |
| **paymentId** | *string* |
| Resource identification of the generated payment initiation resource. | |
| **authorisationId** | *string* |
| Resource identification of the related SCA. | |

#### Header Attributes:

|  |  |
| --- | --- |
| **Name** | **Type** |
| **Description** | |
| **X-Request-ID** | *string* |
| ID of the request, unique to the call, as determined by the initiating party. | |
| **Digest** | *string* |
| Is contained if and only if the "Signature" element is contained in the header of the request. | |
| **Signature** | *string* |
| A signature of the request by the TPP on application level. This might be mandated by ASPSP. | |
| **TPP-Signature-Certificate** | *string* |
| The certificate used for signing the request, in base64 encoding. Must be contained if a signature is contained. | |
| **PSU-IP-Address** | *string* |
| The forwarded IP Address header field consists of the corresponding http request IP Address field between PSU and TPP. | |
| **PSU-IP-Port** | *string* |
| The forwarded IP Port header field consists of the corresponding HTTP request IP Port field between PSU and TPP, if available. | |
| **PSU-Accept** | *string* |
| The forwarded IP Accept header fields consist of the corresponding HTTP request Accept header fields between PSU and TPP, if available. | |
| **PSU-Accept-Charset** | *string* |
| The forwarded IP Accept header fields consist of the corresponding HTTP request Accept header fields between PSU and TPP, if available. | |
| **PSU-Accept-Encoding** | *string* |
| The forwarded IP Accept header fields consist of the corresponding HTTP request Accept header fields between PSU and TPP, if available. | |
| **PSU-Accept-Language** | *string* |
| The forwarded IP Accept header fields consist of the corresponding HTTP request Accept header fields between PSU and TPP, if available. | |
| **PSU-User-Agent** | *string* |
| The forwarded Agent header field of the HTTP request between PSU and TPP, if available. | |
| **PSU-Http-Method** | *string* |
| HTTP method used at the PSU ? TPP interface, if available. Valid values are:   * GET * POST * PUT * PATCH * DELETE | |
| **PSU-Device-ID** | *string* |
| UUID (Universally Unique Identifier) for a device, which is used by the PSU, if available. UUID identifies either a device or a device dependant application installation. In case of an installation identification this ID need to be unaltered until removal from device. | |
| **PSU-Geo-Location** | *string* |
| The forwarded Geo Location of the corresponding http request between PSU and TPP if available. | |

### PUT */v1/{payment-service}/{payment-product}/{paymentId}/authorisations/{authorisationId}*

Update PSU data for payment initiation

#### Path Parameters:

|  |  |
| --- | --- |
| **Name** | **Type** |
| **Description** | |
| **payment-service** | *string* |
| Payment service:  Possible values are:   * payments * bulk-payments * periodic-payments | |
| **payment-product** | *string* |
| The addressed payment product endpoint, e.g. for SEPA Credit Transfers (SCT). The ASPSP will publish which of the payment products/endpoints will be supported.  The following payment products are supported:   * sepa-credit-transfers * instant-sepa-credit-transfers * target-2-payments * cross-border-credit-transfers * pain.001-sepa-credit-transfers * pain.001-instant-sepa-credit-transfers * pain.001-target-2-payments * pain.001-cross-border-credit-transfers   **Remark:** For all SEPA Credit Transfer based endpoints which accept XML encoding, the XML pain.001 schemes provided by EPC are supported by the ASPSP as a minimum for the body content. Further XML schemes might be supported by some communities.  **Remark:** For cross-border and TARGET-2 payments only community wide pain.001 schemes do exist. There are plenty of country specificic scheme variants. | |
| **paymentId** | *string* |
| Resource identification of the generated payment initiation resource. | |
| **authorisationId** | *string* |
| Resource identification of the related SCA. | |

#### Header Attributes:

|  |  |
| --- | --- |
| **Name** | **Type** |
| **Description** | |
| **X-Request-ID** | *string* |
| ID of the request, unique to the call, as determined by the initiating party. | |
| **Digest** | *string* |
| Is contained if and only if the "Signature" element is contained in the header of the request. | |
| **Signature** | *string* |
| A signature of the request by the TPP on application level. This might be mandated by ASPSP. | |
| **TPP-Signature-Certificate** | *string* |
| The certificate used for signing the request, in base64 encoding. Must be contained if a signature is contained. | |
| **PSU-ID** | *string* |
| 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 an preceeding AIS service in the same session. | |
| **PSU-ID-Type** | *string* |
| Type of the PSU-ID, needed in scenarios where PSUs have several PSU-IDs as access possibility. | |
| **PSU-Corporate-ID** | *string* |
| Might be mandated in the ASPSP's documentation. Only used in a corporate context. | |
| **PSU-Corporate-ID-Type** | *string* |
| Might be mandated in the ASPSP's documentation. Only used in a corporate context. | |
| **PSU-IP-Address** | *string* |
| The forwarded IP Address header field consists of the corresponding http request IP Address field between PSU and TPP. | |
| **PSU-IP-Port** | *string* |
| The forwarded IP Port header field consists of the corresponding HTTP request IP Port field between PSU and TPP, if available. | |
| **PSU-Accept** | *string* |
| The forwarded IP Accept header fields consist of the corresponding HTTP request Accept header fields between PSU and TPP, if available. | |
| **PSU-Accept-Charset** | *string* |
| The forwarded IP Accept header fields consist of the corresponding HTTP request Accept header fields between PSU and TPP, if available. | |
| **PSU-Accept-Encoding** | *string* |
| The forwarded IP Accept header fields consist of the corresponding HTTP request Accept header fields between PSU and TPP, if available. | |
| **PSU-Accept-Language** | *string* |
| The forwarded IP Accept header fields consist of the corresponding HTTP request Accept header fields between PSU and TPP, if available. | |
| **PSU-User-Agent** | *string* |
| The forwarded Agent header field of the HTTP request between PSU and TPP, if available. | |
| **PSU-Http-Method** | *string* |
| HTTP method used at the PSU ? TPP interface, if available. Valid values are:   * GET * POST * PUT * PATCH * DELETE | |
| **PSU-Device-ID** | *string* |
| UUID (Universally Unique Identifier) for a device, which is used by the PSU, if available. UUID identifies either a device or a device dependant application installation. In case of an installation identification this ID need to be unaltered until removal from device. | |
| **PSU-Geo-Location** | *string* |
| The forwarded Geo Location of the corresponding http request between PSU and TPP if available. | |

## /v1/{payment-service}/{payment-product}/{paymentId}/cancellation-authorisations

### POST */v1/{payment-service}/{payment-product}/{paymentId}/cancellation-authorisations*

Start the authorisation process for the cancellation of the addressed payment

#### Path Parameters:

|  |  |
| --- | --- |
| **Name** | **Type** |
| **Description** | |
| **payment-service** | *string* |
| Payment service:  Possible values are:   * payments * bulk-payments * periodic-payments | |
| **payment-product** | *string* |
| The addressed payment product endpoint, e.g. for SEPA Credit Transfers (SCT). The ASPSP will publish which of the payment products/endpoints will be supported.  The following payment products are supported:   * sepa-credit-transfers * instant-sepa-credit-transfers * target-2-payments * cross-border-credit-transfers * pain.001-sepa-credit-transfers * pain.001-instant-sepa-credit-transfers * pain.001-target-2-payments * pain.001-cross-border-credit-transfers   **Remark:** For all SEPA Credit Transfer based endpoints which accept XML encoding, the XML pain.001 schemes provided by EPC are supported by the ASPSP as a minimum for the body content. Further XML schemes might be supported by some communities.  **Remark:** For cross-border and TARGET-2 payments only community wide pain.001 schemes do exist. There are plenty of country specificic scheme variants. | |
| **paymentId** | *string* |
| Resource identification of the generated payment initiation resource. | |

#### Header Attributes:

|  |  |
| --- | --- |
| **Name** | **Type** |
| **Description** | |
| **X-Request-ID** | *string* |
| ID of the request, unique to the call, as determined by the initiating party. | |
| **Digest** | *string* |
| Is contained if and only if the "Signature" element is contained in the header of the request. | |
| **Signature** | *string* |
| A signature of the request by the TPP on application level. This might be mandated by ASPSP. | |
| **TPP-Signature-Certificate** | *string* |
| The certificate used for signing the request, in base64 encoding. Must be contained if a signature is contained. | |
| **PSU-ID** | *string* |
| 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 an preceeding AIS service in the same session. | |
| **PSU-ID-Type** | *string* |
| Type of the PSU-ID, needed in scenarios where PSUs have several PSU-IDs as access possibility. | |
| **PSU-Corporate-ID** | *string* |
| Might be mandated in the ASPSP's documentation. Only used in a corporate context. | |
| **PSU-Corporate-ID-Type** | *string* |
| Might be mandated in the ASPSP's documentation. Only used in a corporate context. | |
| **PSU-IP-Address** | *string* |
| The forwarded IP Address header field consists of the corresponding http request IP Address field between PSU and TPP. | |
| **PSU-IP-Port** | *string* |
| The forwarded IP Port header field consists of the corresponding HTTP request IP Port field between PSU and TPP, if available. | |
| **PSU-Accept** | *string* |
| The forwarded IP Accept header fields consist of the corresponding HTTP request Accept header fields between PSU and TPP, if available. | |
| **PSU-Accept-Charset** | *string* |
| The forwarded IP Accept header fields consist of the corresponding HTTP request Accept header fields between PSU and TPP, if available. | |
| **PSU-Accept-Encoding** | *string* |
| The forwarded IP Accept header fields consist of the corresponding HTTP request Accept header fields between PSU and TPP, if available. | |
| **PSU-Accept-Language** | *string* |
| The forwarded IP Accept header fields consist of the corresponding HTTP request Accept header fields between PSU and TPP, if available. | |
| **PSU-User-Agent** | *string* |
| The forwarded Agent header field of the HTTP request between PSU and TPP, if available. | |
| **PSU-Http-Method** | *string* |
| HTTP method used at the PSU ? TPP interface, if available. Valid values are:   * GET * POST * PUT * PATCH * DELETE | |
| **PSU-Device-ID** | *string* |
| UUID (Universally Unique Identifier) for a device, which is used by the PSU, if available. UUID identifies either a device or a device dependant application installation. In case of an installation identification this ID need to be unaltered until removal from device. | |
| **PSU-Geo-Location** | *string* |
| The forwarded Geo Location of the corresponding http request between PSU and TPP if available. | |

### GET */v1/{payment-service}/{payment-product}/{paymentId}/cancellation-authorisations*

Will deliver an array of resource identifications to all generated cancellation authorisation sub-resources.

#### Path Parameters:

|  |  |
| --- | --- |
| **Name** | **Type** |
| **Description** | |
| **payment-service** | *string* |
| Payment service:  Possible values are:   * payments * bulk-payments * periodic-payments | |
| **payment-product** | *string* |
| The addressed payment product endpoint, e.g. for SEPA Credit Transfers (SCT). The ASPSP will publish which of the payment products/endpoints will be supported.  The following payment products are supported:   * sepa-credit-transfers * instant-sepa-credit-transfers * target-2-payments * cross-border-credit-transfers * pain.001-sepa-credit-transfers * pain.001-instant-sepa-credit-transfers * pain.001-target-2-payments * pain.001-cross-border-credit-transfers   **Remark:** For all SEPA Credit Transfer based endpoints which accept XML encoding, the XML pain.001 schemes provided by EPC are supported by the ASPSP as a minimum for the body content. Further XML schemes might be supported by some communities.  **Remark:** For cross-border and TARGET-2 payments only community wide pain.001 schemes do exist. There are plenty of country specificic scheme variants. | |
| **paymentId** | *string* |
| Resource identification of the generated payment initiation resource. | |

#### Header Attributes:

|  |  |
| --- | --- |
| **Name** | **Type** |
| **Description** | |
| **X-Request-ID** | *string* |
| ID of the request, unique to the call, as determined by the initiating party. | |
| **Digest** | *string* |
| Is contained if and only if the "Signature" element is contained in the header of the request. | |
| **Signature** | *string* |
| A signature of the request by the TPP on application level. This might be mandated by ASPSP. | |
| **TPP-Signature-Certificate** | *string* |
| The certificate used for signing the request, in base64 encoding. Must be contained if a signature is contained. | |
| **PSU-IP-Address** | *string* |
| The forwarded IP Address header field consists of the corresponding http request IP Address field between PSU and TPP. | |
| **PSU-IP-Port** | *string* |
| The forwarded IP Port header field consists of the corresponding HTTP request IP Port field between PSU and TPP, if available. | |
| **PSU-Accept** | *string* |
| The forwarded IP Accept header fields consist of the corresponding HTTP request Accept header fields between PSU and TPP, if available. | |
| **PSU-Accept-Charset** | *string* |
| The forwarded IP Accept header fields consist of the corresponding HTTP request Accept header fields between PSU and TPP, if available. | |
| **PSU-Accept-Encoding** | *string* |
| The forwarded IP Accept header fields consist of the corresponding HTTP request Accept header fields between PSU and TPP, if available. | |
| **PSU-Accept-Language** | *string* |
| The forwarded IP Accept header fields consist of the corresponding HTTP request Accept header fields between PSU and TPP, if available. | |
| **PSU-User-Agent** | *string* |
| The forwarded Agent header field of the HTTP request between PSU and TPP, if available. | |
| **PSU-Http-Method** | *string* |
| HTTP method used at the PSU ? TPP interface, if available. Valid values are:   * GET * POST * PUT * PATCH * DELETE | |
| **PSU-Device-ID** | *string* |
| UUID (Universally Unique Identifier) for a device, which is used by the PSU, if available. UUID identifies either a device or a device dependant application installation. In case of an installation identification this ID need to be unaltered until removal from device. | |
| **PSU-Geo-Location** | *string* |
| The forwarded Geo Location of the corresponding http request between PSU and TPP if available. | |

## /v1/{payment-service}/{payment-product}/{paymentId}/cancellation-authorisations/{cancellationId}

### GET */v1/{payment-service}/{payment-product}/{paymentId}/cancellation-authorisations/{cancellationId}*

Read the SCA status of the payment cancellation's authorisation.

#### Path Parameters:

|  |  |
| --- | --- |
| **Name** | **Type** |
| **Description** | |
| **payment-service** | *string* |
| Payment service:  Possible values are:   * payments * bulk-payments * periodic-payments | |
| **payment-product** | *string* |
| The addressed payment product endpoint, e.g. for SEPA Credit Transfers (SCT). The ASPSP will publish which of the payment products/endpoints will be supported.  The following payment products are supported:   * sepa-credit-transfers * instant-sepa-credit-transfers * target-2-payments * cross-border-credit-transfers * pain.001-sepa-credit-transfers * pain.001-instant-sepa-credit-transfers * pain.001-target-2-payments * pain.001-cross-border-credit-transfers   **Remark:** For all SEPA Credit Transfer based endpoints which accept XML encoding, the XML pain.001 schemes provided by EPC are supported by the ASPSP as a minimum for the body content. Further XML schemes might be supported by some communities.  **Remark:** For cross-border and TARGET-2 payments only community wide pain.001 schemes do exist. There are plenty of country specificic scheme variants. | |
| **paymentId** | *string* |
| Resource identification of the generated payment initiation resource. | |
| **cancellationId** | *string* |
| Identification for cancellation resource. | |

#### Header Attributes:

|  |  |
| --- | --- |
| **Name** | **Type** |
| **Description** | |
| **X-Request-ID** | *string* |
| ID of the request, unique to the call, as determined by the initiating party. | |
| **Digest** | *string* |
| Is contained if and only if the "Signature" element is contained in the header of the request. | |
| **Signature** | *string* |
| A signature of the request by the TPP on application level. This might be mandated by ASPSP. | |
| **TPP-Signature-Certificate** | *string* |
| The certificate used for signing the request, in base64 encoding. Must be contained if a signature is contained. | |
| **PSU-IP-Address** | *string* |
| The forwarded IP Address header field consists of the corresponding http request IP Address field between PSU and TPP. | |
| **PSU-IP-Port** | *string* |
| The forwarded IP Port header field consists of the corresponding HTTP request IP Port field between PSU and TPP, if available. | |
| **PSU-Accept** | *string* |
| The forwarded IP Accept header fields consist of the corresponding HTTP request Accept header fields between PSU and TPP, if available. | |
| **PSU-Accept-Charset** | *string* |
| The forwarded IP Accept header fields consist of the corresponding HTTP request Accept header fields between PSU and TPP, if available. | |
| **PSU-Accept-Encoding** | *string* |
| The forwarded IP Accept header fields consist of the corresponding HTTP request Accept header fields between PSU and TPP, if available. | |
| **PSU-Accept-Language** | *string* |
| The forwarded IP Accept header fields consist of the corresponding HTTP request Accept header fields between PSU and TPP, if available. | |
| **PSU-User-Agent** | *string* |
| The forwarded Agent header field of the HTTP request between PSU and TPP, if available. | |
| **PSU-Http-Method** | *string* |
| HTTP method used at the PSU ? TPP interface, if available. Valid values are:   * GET * POST * PUT * PATCH * DELETE | |
| **PSU-Device-ID** | *string* |
| UUID (Universally Unique Identifier) for a device, which is used by the PSU, if available. UUID identifies either a device or a device dependant application installation. In case of an installation identification this ID need to be unaltered until removal from device. | |
| **PSU-Geo-Location** | *string* |
| The forwarded Geo Location of the corresponding http request between PSU and TPP if available. | |

### PUT */v1/{payment-service}/{payment-product}/{paymentId}/cancellation-authorisations/{cancellationId}*

Update PSU Data for payment initiation cancellation

#### Path Parameters:

|  |  |
| --- | --- |
| **Name** | **Type** |
| **Description** | |
| **payment-service** | *string* |
| Payment service:  Possible values are:   * payments * bulk-payments * periodic-payments | |
| **payment-product** | *string* |
| The addressed payment product endpoint, e.g. for SEPA Credit Transfers (SCT). The ASPSP will publish which of the payment products/endpoints will be supported.  The following payment products are supported:   * sepa-credit-transfers * instant-sepa-credit-transfers * target-2-payments * cross-border-credit-transfers * pain.001-sepa-credit-transfers * pain.001-instant-sepa-credit-transfers * pain.001-target-2-payments * pain.001-cross-border-credit-transfers   **Remark:** For all SEPA Credit Transfer based endpoints which accept XML encoding, the XML pain.001 schemes provided by EPC are supported by the ASPSP as a minimum for the body content. Further XML schemes might be supported by some communities.  **Remark:** For cross-border and TARGET-2 payments only community wide pain.001 schemes do exist. There are plenty of country specificic scheme variants. | |
| **paymentId** | *string* |
| Resource identification of the generated payment initiation resource. | |
| **cancellationId** | *string* |
| Identification for cancellation resource. | |

#### Header Attributes:

|  |  |
| --- | --- |
| **Name** | **Type** |
| **Description** | |
| **X-Request-ID** | *string* |
| ID of the request, unique to the call, as determined by the initiating party. | |
| **Digest** | *string* |
| Is contained if and only if the "Signature" element is contained in the header of the request. | |
| **Signature** | *string* |
| A signature of the request by the TPP on application level. This might be mandated by ASPSP. | |
| **TPP-Signature-Certificate** | *string* |
| The certificate used for signing the request, in base64 encoding. Must be contained if a signature is contained. | |
| **PSU-ID** | *string* |
| 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 an preceeding AIS service in the same session. | |
| **PSU-ID-Type** | *string* |
| Type of the PSU-ID, needed in scenarios where PSUs have several PSU-IDs as access possibility. | |
| **PSU-Corporate-ID** | *string* |
| Might be mandated in the ASPSP's documentation. Only used in a corporate context. | |
| **PSU-Corporate-ID-Type** | *string* |
| Might be mandated in the ASPSP's documentation. Only used in a corporate context. | |
| **PSU-IP-Address** | *string* |
| The forwarded IP Address header field consists of the corresponding http request IP Address field between PSU and TPP. | |
| **PSU-IP-Port** | *string* |
| The forwarded IP Port header field consists of the corresponding HTTP request IP Port field between PSU and TPP, if available. | |
| **PSU-Accept** | *string* |
| The forwarded IP Accept header fields consist of the corresponding HTTP request Accept header fields between PSU and TPP, if available. | |
| **PSU-Accept-Charset** | *string* |
| The forwarded IP Accept header fields consist of the corresponding HTTP request Accept header fields between PSU and TPP, if available. | |
| **PSU-Accept-Encoding** | *string* |
| The forwarded IP Accept header fields consist of the corresponding HTTP request Accept header fields between PSU and TPP, if available. | |
| **PSU-Accept-Language** | *string* |
| The forwarded IP Accept header fields consist of the corresponding HTTP request Accept header fields between PSU and TPP, if available. | |
| **PSU-User-Agent** | *string* |
| The forwarded Agent header field of the HTTP request between PSU and TPP, if available. | |
| **PSU-Http-Method** | *string* |
| HTTP method used at the PSU ? TPP interface, if available. Valid values are:   * GET * POST * PUT * PATCH * DELETE | |
| **PSU-Device-ID** | *string* |
| UUID (Universally Unique Identifier) for a device, which is used by the PSU, if available. UUID identifies either a device or a device dependant application installation. In case of an installation identification this ID need to be unaltered until removal from device. | |
| **PSU-Geo-Location** | *string* |
| The forwarded Geo Location of the corresponding http request between PSU and TPP if available. | |

## /v1/accounts

### GET */v1/accounts*

Read Account List

#### Header Attributes:

|  |  |
| --- | --- |
| **Name** | **Type** |
| **Description** | |
| **X-Request-ID** | *string* |
| ID of the request, unique to the call, as determined by the initiating party. | |
| **Digest** | *string* |
| Is contained if and only if the "Signature" element is contained in the header of the request. | |
| **Signature** | *string* |
| A signature of the request by the TPP on application level. This might be mandated by ASPSP. | |
| **TPP-Signature-Certificate** | *string* |
| The certificate used for signing the request, in base64 encoding. Must be contained if a signature is contained. | |
| **Consent-ID** | *string* |
| This then contains the consentId of the related AIS consent, which was performed prior to this payment initiation. | |
| **PSU-IP-Address** | *string* |
| The forwarded IP Address header field consists of the corresponding HTTP request IP Address field between PSU and TPP. It shall be contained if and only if this request was actively initiated by the PSU. | |
| **PSU-IP-Port** | *string* |
| The forwarded IP Port header field consists of the corresponding HTTP request IP Port field between PSU and TPP, if available. | |
| **PSU-Accept** | *string* |
| The forwarded IP Accept header fields consist of the corresponding HTTP request Accept header fields between PSU and TPP, if available. | |
| **PSU-Accept-Charset** | *string* |
| The forwarded IP Accept header fields consist of the corresponding HTTP request Accept header fields between PSU and TPP, if available. | |
| **PSU-Accept-Encoding** | *string* |
| The forwarded IP Accept header fields consist of the corresponding HTTP request Accept header fields between PSU and TPP, if available. | |
| **PSU-Accept-Language** | *string* |
| The forwarded IP Accept header fields consist of the corresponding HTTP request Accept header fields between PSU and TPP, if available. | |
| **PSU-User-Agent** | *string* |
| The forwarded Agent header field of the HTTP request between PSU and TPP, if available. | |
| **PSU-Http-Method** | *string* |
| HTTP method used at the PSU ? TPP interface, if available. Valid values are:   * GET * POST * PUT * PATCH * DELETE | |
| **PSU-Device-ID** | *string* |
| UUID (Universally Unique Identifier) for a device, which is used by the PSU, if available. UUID identifies either a device or a device dependant application installation. In case of an installation identification this ID need to be unaltered until removal from device. | |
| **PSU-Geo-Location** | *string* |
| The forwarded Geo Location of the corresponding http request between PSU and TPP if available. | |

#### Query Parameters:

|  |  |
| --- | --- |
| **Name** | **Type** |
| **Description** | |
| **withBalance** | *boolean* |
| If contained, this function reads the list of accessible payment accounts 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. | |

## /v1/accounts/{account-id}

### GET */v1/accounts/{account-id}*

Read Account Details

#### Path Parameters:

|  |  |
| --- | --- |
| **Name** | **Type** |
| **Description** | |
| **account-id** | *string* |
| 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. | |

#### Header Attributes:

|  |  |
| --- | --- |
| **Name** | **Type** |
| **Description** | |
| **X-Request-ID** | *string* |
| ID of the request, unique to the call, as determined by the initiating party. | |
| **Digest** | *string* |
| Is contained if and only if the "Signature" element is contained in the header of the request. | |
| **Signature** | *string* |
| A signature of the request by the TPP on application level. This might be mandated by ASPSP. | |
| **TPP-Signature-Certificate** | *string* |
| The certificate used for signing the request, in base64 encoding. Must be contained if a signature is contained. | |
| **Consent-ID** | *string* |
| This then contains the consentId of the related AIS consent, which was performed prior to this payment initiation. | |
| **PSU-IP-Address** | *string* |
| The forwarded IP Address header field consists of the corresponding HTTP request IP Address field between PSU and TPP. It shall be contained if and only if this request was actively initiated by the PSU. | |
| **PSU-IP-Port** | *string* |
| The forwarded IP Port header field consists of the corresponding HTTP request IP Port field between PSU and TPP, if available. | |
| **PSU-Accept** | *string* |
| The forwarded IP Accept header fields consist of the corresponding HTTP request Accept header fields between PSU and TPP, if available. | |
| **PSU-Accept-Charset** | *string* |
| The forwarded IP Accept header fields consist of the corresponding HTTP request Accept header fields between PSU and TPP, if available. | |
| **PSU-Accept-Encoding** | *string* |
| The forwarded IP Accept header fields consist of the corresponding HTTP request Accept header fields between PSU and TPP, if available. | |
| **PSU-Accept-Language** | *string* |
| The forwarded IP Accept header fields consist of the corresponding HTTP request Accept header fields between PSU and TPP, if available. | |
| **PSU-User-Agent** | *string* |
| The forwarded Agent header field of the HTTP request between PSU and TPP, if available. | |
| **PSU-Http-Method** | *string* |
| HTTP method used at the PSU ? TPP interface, if available. Valid values are:   * GET * POST * PUT * PATCH * DELETE | |
| **PSU-Device-ID** | *string* |
| UUID (Universally Unique Identifier) for a device, which is used by the PSU, if available. UUID identifies either a device or a device dependant application installation. In case of an installation identification this ID need to be unaltered until removal from device. | |
| **PSU-Geo-Location** | *string* |
| The forwarded Geo Location of the corresponding http request between PSU and TPP if available. | |

#### Query Parameters:

|  |  |
| --- | --- |
| **Name** | **Type** |
| **Description** | |
| **withBalance** | *boolean* |
| If contained, this function reads the list of accessible payment accounts 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. | |

## /v1/accounts/{account-id}/balances

### GET */v1/accounts/{account-id}/balances*

Read Balance

#### Path Parameters:

|  |  |
| --- | --- |
| **Name** | **Type** |
| **Description** | |
| **account-id** | *string* |
| 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. | |

#### Header Attributes:

|  |  |
| --- | --- |
| **Name** | **Type** |
| **Description** | |
| **X-Request-ID** | *string* |
| ID of the request, unique to the call, as determined by the initiating party. | |
| **Digest** | *string* |
| Is contained if and only if the "Signature" element is contained in the header of the request. | |
| **Signature** | *string* |
| A signature of the request by the TPP on application level. This might be mandated by ASPSP. | |
| **TPP-Signature-Certificate** | *string* |
| The certificate used for signing the request, in base64 encoding. Must be contained if a signature is contained. | |
| **Consent-ID** | *string* |
| This then contains the consentId of the related AIS consent, which was performed prior to this payment initiation. | |
| **PSU-IP-Address** | *string* |
| The forwarded IP Address header field consists of the corresponding HTTP request IP Address field between PSU and TPP. It shall be contained if and only if this request was actively initiated by the PSU. | |
| **PSU-IP-Port** | *string* |
| The forwarded IP Port header field consists of the corresponding HTTP request IP Port field between PSU and TPP, if available. | |
| **PSU-Accept** | *string* |
| The forwarded IP Accept header fields consist of the corresponding HTTP request Accept header fields between PSU and TPP, if available. | |
| **PSU-Accept-Charset** | *string* |
| The forwarded IP Accept header fields consist of the corresponding HTTP request Accept header fields between PSU and TPP, if available. | |
| **PSU-Accept-Encoding** | *string* |
| The forwarded IP Accept header fields consist of the corresponding HTTP request Accept header fields between PSU and TPP, if available. | |
| **PSU-Accept-Language** | *string* |
| The forwarded IP Accept header fields consist of the corresponding HTTP request Accept header fields between PSU and TPP, if available. | |
| **PSU-User-Agent** | *string* |
| The forwarded Agent header field of the HTTP request between PSU and TPP, if available. | |
| **PSU-Http-Method** | *string* |
| HTTP method used at the PSU ? TPP interface, if available. Valid values are:   * GET * POST * PUT * PATCH * DELETE | |
| **PSU-Device-ID** | *string* |
| UUID (Universally Unique Identifier) for a device, which is used by the PSU, if available. UUID identifies either a device or a device dependant application installation. In case of an installation identification this ID need to be unaltered until removal from device. | |
| **PSU-Geo-Location** | *string* |
| The forwarded Geo Location of the corresponding http request between PSU and TPP if available. | |

## /v1/accounts/{account-id}/transactions/

### GET */v1/accounts/{account-id}/transactions/*

Read transaction list of an account

#### Path Parameters:

|  |  |
| --- | --- |
| **Name** | **Type** |
| **Description** | |
| **account-id** | *string* |
| 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. | |

#### Header Attributes:

|  |  |
| --- | --- |
| **Name** | **Type** |
| **Description** | |
| **X-Request-ID** | *string* |
| ID of the request, unique to the call, as determined by the initiating party. | |
| **Digest** | *string* |
| Is contained if and only if the "Signature" element is contained in the header of the request. | |
| **Signature** | *string* |
| A signature of the request by the TPP on application level. This might be mandated by ASPSP. | |
| **TPP-Signature-Certificate** | *string* |
| The certificate used for signing the request, in base64 encoding. Must be contained if a signature is contained. | |
| **Consent-ID** | *string* |
| This then contains the consentId of the related AIS consent, which was performed prior to this payment initiation. | |
| **PSU-IP-Address** | *string* |
| The forwarded IP Address header field consists of the corresponding HTTP request IP Address field between PSU and TPP. It shall be contained if and only if this request was actively initiated by the PSU. | |
| **PSU-IP-Port** | *string* |
| The forwarded IP Port header field consists of the corresponding HTTP request IP Port field between PSU and TPP, if available. | |
| **PSU-Accept** | *string* |
| The forwarded IP Accept header fields consist of the corresponding HTTP request Accept header fields between PSU and TPP, if available. | |
| **PSU-Accept-Charset** | *string* |
| The forwarded IP Accept header fields consist of the corresponding HTTP request Accept header fields between PSU and TPP, if available. | |
| **PSU-Accept-Encoding** | *string* |
| The forwarded IP Accept header fields consist of the corresponding HTTP request Accept header fields between PSU and TPP, if available. | |
| **PSU-Accept-Language** | *string* |
| The forwarded IP Accept header fields consist of the corresponding HTTP request Accept header fields between PSU and TPP, if available. | |
| **PSU-User-Agent** | *string* |
| The forwarded Agent header field of the HTTP request between PSU and TPP, if available. | |
| **PSU-Http-Method** | *string* |
| HTTP method used at the PSU ? TPP interface, if available. Valid values are:   * GET * POST * PUT * PATCH * DELETE | |
| **PSU-Device-ID** | *string* |
| UUID (Universally Unique Identifier) for a device, which is used by the PSU, if available. UUID identifies either a device or a device dependant application installation. In case of an installation identification this ID need to be unaltered until removal from device. | |
| **PSU-Geo-Location** | *string* |
| The forwarded Geo Location of the corresponding http request between PSU and TPP if available. | |

#### Query Parameters:

|  |  |
| --- | --- |
| **Name** | **Type** |
| **Description** | |
| **dateFrom** | *string* |
| Conditional: Starting date (inclusive the date dateFrom) of the transaction list, mandated if no delta access is required.  For booked transactions, the relevant date is the booking date.  For pending transactions, the relevant date is the entry date, which may not be transparent neither in this API nor other channels of the ASPSP. | |
| **dateTo** | *string* |
| 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.  For booked transactions, the relevant date is the booking date.  For pending transactions, the relevant date is the entry date, which may not be transparent neither in this API nor other channels of the ASPSP. | |
| **entryReferenceFrom** | *string* |
| This data attribute is indicating that the AISP is in favour 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.  Optional if supported by API provider. | |
| **bookingStatus** | *string* |
| Permitted codes are   * "booked", * "pending" and * "both" "booked" shall be supported by the ASPSP. To support the "pending" and "both" feature is optional for the ASPSP, Error code if not supported in the online banking frontend | |
| **deltaList** | *boolean* |
| This data attribute is indicating that the AISP is in favour 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. Optional if supported by API provider | |
| **withBalance** | *boolean* |
| If contained, this function reads the list of accessible payment accounts 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. | |

## /v1/accounts/{account-id}/transactions/{resourceId}

### GET */v1/accounts/{account-id}/transactions/{resourceId}*

Read Transaction Details

#### Path Parameters:

|  |  |
| --- | --- |
| **Name** | **Type** |
| **Description** | |
| **account-id** | *string* |
| 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. | |
| **resourceId** | *string* |
| This identification is given by the attribute resourceId of the corresponding entry of a transaction list. | |

#### Header Attributes:

|  |  |
| --- | --- |
| **Name** | **Type** |
| **Description** | |
| **X-Request-ID** | *string* |
| ID of the request, unique to the call, as determined by the initiating party. | |
| **Digest** | *string* |
| Is contained if and only if the "Signature" element is contained in the header of the request. | |
| **Signature** | *string* |
| A signature of the request by the TPP on application level. This might be mandated by ASPSP. | |
| **TPP-Signature-Certificate** | *string* |
| The certificate used for signing the request, in base64 encoding. Must be contained if a signature is contained. | |
| **Consent-ID** | *string* |
| This then contains the consentId of the related AIS consent, which was performed prior to this payment initiation. | |
| **PSU-IP-Address** | *string* |
| The forwarded IP Address header field consists of the corresponding HTTP request IP Address field between PSU and TPP. It shall be contained if and only if this request was actively initiated by the PSU. | |
| **PSU-IP-Port** | *string* |
| The forwarded IP Port header field consists of the corresponding HTTP request IP Port field between PSU and TPP, if available. | |
| **PSU-Accept** | *string* |
| The forwarded IP Accept header fields consist of the corresponding HTTP request Accept header fields between PSU and TPP, if available. | |
| **PSU-Accept-Charset** | *string* |
| The forwarded IP Accept header fields consist of the corresponding HTTP request Accept header fields between PSU and TPP, if available. | |
| **PSU-Accept-Encoding** | *string* |
| The forwarded IP Accept header fields consist of the corresponding HTTP request Accept header fields between PSU and TPP, if available. | |
| **PSU-Accept-Language** | *string* |
| The forwarded IP Accept header fields consist of the corresponding HTTP request Accept header fields between PSU and TPP, if available. | |
| **PSU-User-Agent** | *string* |
| The forwarded Agent header field of the HTTP request between PSU and TPP, if available. | |
| **PSU-Http-Method** | *string* |
| HTTP method used at the PSU ? TPP interface, if available. Valid values are:   * GET * POST * PUT * PATCH * DELETE | |
| **PSU-Device-ID** | *string* |
| UUID (Universally Unique Identifier) for a device, which is used by the PSU, if available. UUID identifies either a device or a device dependant application installation. In case of an installation identification this ID need to be unaltered until removal from device. | |
| **PSU-Geo-Location** | *string* |
| The forwarded Geo Location of the corresponding http request between PSU and TPP if available. | |

## /card-accounts

### GET */card-accounts*

Reads a list of card accounts

#### Header Attributes:

|  |  |
| --- | --- |
| **Name** | **Type** |
| **Description** | |
| **X-Request-ID** | *string* |
| ID of the request, unique to the call, as determined by the initiating party. | |
| **Digest** | *string* |
| Is contained if and only if the "Signature" element is contained in the header of the request. | |
| **Signature** | *string* |
| A signature of the request by the TPP on application level. This might be mandated by ASPSP. | |
| **TPP-Signature-Certificate** | *string* |
| The certificate used for signing the request, in base64 encoding. Must be contained if a signature is contained. | |
| **Consent-ID** | *string* |
| This then contains the consentId of the related AIS consent, which was performed prior to this payment initiation. | |
| **PSU-IP-Address** | *string* |
| The forwarded IP Address header field consists of the corresponding HTTP request IP Address field between PSU and TPP. It shall be contained if and only if this request was actively initiated by the PSU. | |
| **PSU-IP-Port** | *string* |
| The forwarded IP Port header field consists of the corresponding HTTP request IP Port field between PSU and TPP, if available. | |
| **PSU-Accept** | *string* |
| The forwarded IP Accept header fields consist of the corresponding HTTP request Accept header fields between PSU and TPP, if available. | |
| **PSU-Accept-Charset** | *string* |
| The forwarded IP Accept header fields consist of the corresponding HTTP request Accept header fields between PSU and TPP, if available. | |
| **PSU-Accept-Encoding** | *string* |
| The forwarded IP Accept header fields consist of the corresponding HTTP request Accept header fields between PSU and TPP, if available. | |
| **PSU-Accept-Language** | *string* |
| The forwarded IP Accept header fields consist of the corresponding HTTP request Accept header fields between PSU and TPP, if available. | |
| **PSU-User-Agent** | *string* |
| The forwarded Agent header field of the HTTP request between PSU and TPP, if available. | |
| **PSU-Http-Method** | *string* |
| HTTP method used at the PSU ? TPP interface, if available. Valid values are:   * GET * POST * PUT * PATCH * DELETE | |
| **PSU-Device-ID** | *string* |
| UUID (Universally Unique Identifier) for a device, which is used by the PSU, if available. UUID identifies either a device or a device dependant application installation. In case of an installation identification this ID need to be unaltered until removal from device. | |
| **PSU-Geo-Location** | *string* |
| The forwarded Geo Location of the corresponding http request between PSU and TPP if available. | |

## /card-accounts/{account-id}

### GET */card-accounts/{account-id}*

Reads details about a card account

#### Path Parameters:

|  |  |
| --- | --- |
| **Name** | **Type** |
| **Description** | |
| **account-id** | *string* |
| 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. | |

#### Header Attributes:

|  |  |
| --- | --- |
| **Name** | **Type** |
| **Description** | |
| **X-Request-ID** | *string* |
| ID of the request, unique to the call, as determined by the initiating party. | |
| **Digest** | *string* |
| Is contained if and only if the "Signature" element is contained in the header of the request. | |
| **Signature** | *string* |
| A signature of the request by the TPP on application level. This might be mandated by ASPSP. | |
| **TPP-Signature-Certificate** | *string* |
| The certificate used for signing the request, in base64 encoding. Must be contained if a signature is contained. | |
| **Consent-ID** | *string* |
| This then contains the consentId of the related AIS consent, which was performed prior to this payment initiation. | |
| **PSU-IP-Address** | *string* |
| The forwarded IP Address header field consists of the corresponding HTTP request IP Address field between PSU and TPP. It shall be contained if and only if this request was actively initiated by the PSU. | |
| **PSU-IP-Port** | *string* |
| The forwarded IP Port header field consists of the corresponding HTTP request IP Port field between PSU and TPP, if available. | |
| **PSU-Accept** | *string* |
| The forwarded IP Accept header fields consist of the corresponding HTTP request Accept header fields between PSU and TPP, if available. | |
| **PSU-Accept-Charset** | *string* |
| The forwarded IP Accept header fields consist of the corresponding HTTP request Accept header fields between PSU and TPP, if available. | |
| **PSU-Accept-Encoding** | *string* |
| The forwarded IP Accept header fields consist of the corresponding HTTP request Accept header fields between PSU and TPP, if available. | |
| **PSU-Accept-Language** | *string* |
| The forwarded IP Accept header fields consist of the corresponding HTTP request Accept header fields between PSU and TPP, if available. | |
| **PSU-User-Agent** | *string* |
| The forwarded Agent header field of the HTTP request between PSU and TPP, if available. | |
| **PSU-Http-Method** | *string* |
| HTTP method used at the PSU ? TPP interface, if available. Valid values are:   * GET * POST * PUT * PATCH * DELETE | |
| **PSU-Device-ID** | *string* |
| UUID (Universally Unique Identifier) for a device, which is used by the PSU, if available. UUID identifies either a device or a device dependant application installation. In case of an installation identification this ID need to be unaltered until removal from device. | |
| **PSU-Geo-Location** | *string* |
| The forwarded Geo Location of the corresponding http request between PSU and TPP if available. | |

## /card-accounts/{account-id}/balances

### GET */card-accounts/{account-id}/balances*

Read card account balances

#### Path Parameters:

|  |  |
| --- | --- |
| **Name** | **Type** |
| **Description** | |
| **account-id** | *string* |
| 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. | |

#### Header Attributes:

|  |  |
| --- | --- |
| **Name** | **Type** |
| **Description** | |
| **X-Request-ID** | *string* |
| ID of the request, unique to the call, as determined by the initiating party. | |
| **Digest** | *string* |
| Is contained if and only if the "Signature" element is contained in the header of the request. | |
| **Signature** | *string* |
| A signature of the request by the TPP on application level. This might be mandated by ASPSP. | |
| **TPP-Signature-Certificate** | *string* |
| The certificate used for signing the request, in base64 encoding. Must be contained if a signature is contained. | |
| **Consent-ID** | *string* |
| This then contains the consentId of the related AIS consent, which was performed prior to this payment initiation. | |
| **PSU-IP-Address** | *string* |
| The forwarded IP Address header field consists of the corresponding HTTP request IP Address field between PSU and TPP. It shall be contained if and only if this request was actively initiated by the PSU. | |
| **PSU-IP-Port** | *string* |
| The forwarded IP Port header field consists of the corresponding HTTP request IP Port field between PSU and TPP, if available. | |
| **PSU-Accept** | *string* |
| The forwarded IP Accept header fields consist of the corresponding HTTP request Accept header fields between PSU and TPP, if available. | |
| **PSU-Accept-Charset** | *string* |
| The forwarded IP Accept header fields consist of the corresponding HTTP request Accept header fields between PSU and TPP, if available. | |
| **PSU-Accept-Encoding** | *string* |
| The forwarded IP Accept header fields consist of the corresponding HTTP request Accept header fields between PSU and TPP, if available. | |
| **PSU-Accept-Language** | *string* |
| The forwarded IP Accept header fields consist of the corresponding HTTP request Accept header fields between PSU and TPP, if available. | |
| **PSU-User-Agent** | *string* |
| The forwarded Agent header field of the HTTP request between PSU and TPP, if available. | |
| **PSU-Http-Method** | *string* |
| HTTP method used at the PSU ? TPP interface, if available. Valid values are:   * GET * POST * PUT * PATCH * DELETE | |
| **PSU-Device-ID** | *string* |
| UUID (Universally Unique Identifier) for a device, which is used by the PSU, if available. UUID identifies either a device or a device dependant application installation. In case of an installation identification this ID need to be unaltered until removal from device. | |
| **PSU-Geo-Location** | *string* |
| The forwarded Geo Location of the corresponding http request between PSU and TPP if available. | |

## /card-accounts/{account-id}/transactions

### GET */card-accounts/{account-id}/transactions*

Read transaction list of an account

#### Path Parameters:

|  |  |
| --- | --- |
| **Name** | **Type** |
| **Description** | |
| **account-id** | *string* |
| 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. | |

#### Header Attributes:

|  |  |
| --- | --- |
| **Name** | **Type** |
| **Description** | |
| **X-Request-ID** | *string* |
| ID of the request, unique to the call, as determined by the initiating party. | |
| **Digest** | *string* |
| Is contained if and only if the "Signature" element is contained in the header of the request. | |
| **Signature** | *string* |
| A signature of the request by the TPP on application level. This might be mandated by ASPSP. | |
| **TPP-Signature-Certificate** | *string* |
| The certificate used for signing the request, in base64 encoding. Must be contained if a signature is contained. | |
| **Consent-ID** | *string* |
| This then contains the consentId of the related AIS consent, which was performed prior to this payment initiation. | |
| **PSU-IP-Address** | *string* |
| The forwarded IP Address header field consists of the corresponding HTTP request IP Address field between PSU and TPP. It shall be contained if and only if this request was actively initiated by the PSU. | |
| **PSU-IP-Port** | *string* |
| The forwarded IP Port header field consists of the corresponding HTTP request IP Port field between PSU and TPP, if available. | |
| **PSU-Accept** | *string* |
| The forwarded IP Accept header fields consist of the corresponding HTTP request Accept header fields between PSU and TPP, if available. | |
| **PSU-Accept-Charset** | *string* |
| The forwarded IP Accept header fields consist of the corresponding HTTP request Accept header fields between PSU and TPP, if available. | |
| **PSU-Accept-Encoding** | *string* |
| The forwarded IP Accept header fields consist of the corresponding HTTP request Accept header fields between PSU and TPP, if available. | |
| **PSU-Accept-Language** | *string* |
| The forwarded IP Accept header fields consist of the corresponding HTTP request Accept header fields between PSU and TPP, if available. | |
| **PSU-User-Agent** | *string* |
| The forwarded Agent header field of the HTTP request between PSU and TPP, if available. | |
| **PSU-Http-Method** | *string* |
| HTTP method used at the PSU ? TPP interface, if available. Valid values are:   * GET * POST * PUT * PATCH * DELETE | |
| **PSU-Device-ID** | *string* |
| UUID (Universally Unique Identifier) for a device, which is used by the PSU, if available. UUID identifies either a device or a device dependant application installation. In case of an installation identification this ID need to be unaltered until removal from device. | |
| **PSU-Geo-Location** | *string* |
| The forwarded Geo Location of the corresponding http request between PSU and TPP if available. | |

#### Query Parameters:

|  |  |
| --- | --- |
| **Name** | **Type** |
| **Description** | |
| **dateFrom** | *string* |
| Conditional: Starting date (inclusive the date dateFrom) of the transaction list, mandated if no delta access is required.  For booked transactions, the relevant date is the booking date.  For pending transactions, the relevant date is the entry date, which may not be transparent neither in this API nor other channels of the ASPSP. | |
| **dateTo** | *string* |
| 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.  For booked transactions, the relevant date is the booking date.  For pending transactions, the relevant date is the entry date, which may not be transparent neither in this API nor other channels of the ASPSP. | |
| **entryReferenceFrom** | *string* |
| This data attribute is indicating that the AISP is in favour 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.  Optional if supported by API provider. | |
| **bookingStatus** | *string* |
| Permitted codes are   * "booked", * "pending" and * "both" "booked" shall be supported by the ASPSP. To support the "pending" and "both" feature is optional for the ASPSP, Error code if not supported in the online banking frontend | |
| **deltaList** | *boolean* |
| This data attribute is indicating that the AISP is in favour 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. Optional if supported by API provider | |
| **withBalance** | *boolean* |
| If contained, this function reads the list of accessible payment accounts 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. | |

## /v1/consents

### POST */v1/consents*

Create consent

#### Header Attributes:

|  |  |
| --- | --- |
| **Name** | **Type** |
| **Description** | |
| **X-Request-ID** | *string* |
| ID of the request, unique to the call, as determined by the initiating party. | |
| **Digest** | *string* |
| Is contained if and only if the "Signature" element is contained in the header of the request. | |
| **Signature** | *string* |
| A signature of the request by the TPP on application level. This might be mandated by ASPSP. | |
| **TPP-Signature-Certificate** | *string* |
| The certificate used for signing the request, in base64 encoding. Must be contained if a signature is contained. | |
| **PSU-ID** | *string* |
| 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 an preceeding AIS service in the same session. | |
| **PSU-ID-Type** | *string* |
| Type of the PSU-ID, needed in scenarios where PSUs have several PSU-IDs as access possibility. | |
| **PSU-Corporate-ID** | *string* |
| Might be mandated in the ASPSP's documentation. Only used in a corporate context. | |
| **PSU-Corporate-ID-Type** | *string* |
| Might be mandated in the ASPSP's documentation. Only used in a corporate context. | |
| **TPP-Redirect-Preferred** | *string* |
| If it equals "true", the TPP prefers a redirect over an embedded SCA approach. If it equals "false", the TPP prefers not to be redirected for SCA. The ASPSP will then choose between the Embedded or the Decoupled SCA approach, depending on the choice of the SCA procedure by the TPP/PSU. If the parameter is not used, the ASPSP will choose the SCA approach to be applied depending on the SCA method chosen by the TPP/PSU. | |
| **TPP-Redirect-URI** | *string* |
| URI of the TPP, where the transaction flow shall be redirected to after a Redirect.  Mandated for the Redirect SCA Approach (including OAuth2 SCA approach), specifically when TPP-Redirect-Preferred equals "true". It is recommended to always use this header field.  **Remark for Future:** This field might be changed to mandatory in the next version of the specification. | |
| **TPP-Nok-Redirect-URI** | *string* |
| If this URI is contained, the TPP is asking to redirect the transaction flow to this address instead of the TPP-Redirect-URI in case of a negative result of the redirect SCA method. This might be ignored by the ASPSP. | |
| **TPP-Explicit-Authorisation-Preferred** | *string* |
| If it equals "true", the TPP prefers to start the authorisation process separately, e.g. because of the usage of a signing basket. This preference might be ignored by the ASPSP, if a signing basket is not supported as functionality.  If it equals "false" or if the parameter is not used, there is no preference of the TPP. This especially indicates that the TPP assumes a direct authorisation of the transaction in the next step, without using a signing basket. | |
| **PSU-IP-Address** | *string* |
| The forwarded IP Address header field consists of the corresponding HTTP request IP Address field between PSU and TPP. It shall be contained if and only if this request was actively initiated by the PSU. | |
| **PSU-IP-Port** | *string* |
| The forwarded IP Port header field consists of the corresponding HTTP request IP Port field between PSU and TPP, if available. | |
| **PSU-Accept** | *string* |
| The forwarded IP Accept header fields consist of the corresponding HTTP request Accept header fields between PSU and TPP, if available. | |
| **PSU-Accept-Charset** | *string* |
| The forwarded IP Accept header fields consist of the corresponding HTTP request Accept header fields between PSU and TPP, if available. | |
| **PSU-Accept-Encoding** | *string* |
| The forwarded IP Accept header fields consist of the corresponding HTTP request Accept header fields between PSU and TPP, if available. | |
| **PSU-Accept-Language** | *string* |
| The forwarded IP Accept header fields consist of the corresponding HTTP request Accept header fields between PSU and TPP, if available. | |
| **PSU-User-Agent** | *string* |
| The forwarded Agent header field of the HTTP request between PSU and TPP, if available. | |
| **PSU-Http-Method** | *string* |
| HTTP method used at the PSU ? TPP interface, if available. Valid values are:   * GET * POST * PUT * PATCH * DELETE | |
| **PSU-Device-ID** | *string* |
| UUID (Universally Unique Identifier) for a device, which is used by the PSU, if available. UUID identifies either a device or a device dependant application installation. In case of an installation identification this ID need to be unaltered until removal from device. | |
| **PSU-Geo-Location** | *string* |
| The forwarded Geo Location of the corresponding http request between PSU and TPP if available. | |

## /v1/consents/{consentId}

### GET */v1/consents/{consentId}*

Get Consent Request

#### Path Parameters:

|  |  |
| --- | --- |
| **Name** | **Type** |
| **Description** | |
| **consentId** | *string* |
| ID of the corresponding consent object as returned by an Account Information Consent Request. | |

#### Header Attributes:

|  |  |
| --- | --- |
| **Name** | **Type** |
| **Description** | |
| **X-Request-ID** | *string* |
| ID of the request, unique to the call, as determined by the initiating party. | |
| **Digest** | *string* |
| Is contained if and only if the "Signature" element is contained in the header of the request. | |
| **Signature** | *string* |
| A signature of the request by the TPP on application level. This might be mandated by ASPSP. | |
| **TPP-Signature-Certificate** | *string* |
| The certificate used for signing the request, in base64 encoding. Must be contained if a signature is contained. | |
| **PSU-IP-Address** | *string* |
| The forwarded IP Address header field consists of the corresponding HTTP request IP Address field between PSU and TPP. It shall be contained if and only if this request was actively initiated by the PSU. | |
| **PSU-IP-Port** | *string* |
| The forwarded IP Port header field consists of the corresponding HTTP request IP Port field between PSU and TPP, if available. | |
| **PSU-Accept** | *string* |
| The forwarded IP Accept header fields consist of the corresponding HTTP request Accept header fields between PSU and TPP, if available. | |
| **PSU-Accept-Charset** | *string* |
| The forwarded IP Accept header fields consist of the corresponding HTTP request Accept header fields between PSU and TPP, if available. | |
| **PSU-Accept-Encoding** | *string* |
| The forwarded IP Accept header fields consist of the corresponding HTTP request Accept header fields between PSU and TPP, if available. | |
| **PSU-Accept-Language** | *string* |
| The forwarded IP Accept header fields consist of the corresponding HTTP request Accept header fields between PSU and TPP, if available. | |
| **PSU-User-Agent** | *string* |
| The forwarded Agent header field of the HTTP request between PSU and TPP, if available. | |
| **PSU-Http-Method** | *string* |
| HTTP method used at the PSU ? TPP interface, if available. Valid values are:   * GET * POST * PUT * PATCH * DELETE | |
| **PSU-Device-ID** | *string* |
| UUID (Universally Unique Identifier) for a device, which is used by the PSU, if available. UUID identifies either a device or a device dependant application installation. In case of an installation identification this ID need to be unaltered until removal from device. | |
| **PSU-Geo-Location** | *string* |
| The forwarded Geo Location of the corresponding http request between PSU and TPP if available. | |

### DELETE */v1/consents/{consentId}*

Delete Consent

#### Path Parameters:

|  |  |
| --- | --- |
| **Name** | **Type** |
| **Description** | |
| **consentId** | *string* |
| ID of the corresponding consent object as returned by an Account Information Consent Request. | |

#### Header Attributes:

|  |  |
| --- | --- |
| **Name** | **Type** |
| **Description** | |
| **X-Request-ID** | *string* |
| ID of the request, unique to the call, as determined by the initiating party. | |
| **Digest** | *string* |
| Is contained if and only if the "Signature" element is contained in the header of the request. | |
| **Signature** | *string* |
| A signature of the request by the TPP on application level. This might be mandated by ASPSP. | |
| **TPP-Signature-Certificate** | *string* |
| The certificate used for signing the request, in base64 encoding. Must be contained if a signature is contained. | |
| **PSU-IP-Address** | *string* |
| The forwarded IP Address header field consists of the corresponding HTTP request IP Address field between PSU and TPP. It shall be contained if and only if this request was actively initiated by the PSU. | |
| **PSU-IP-Port** | *string* |
| The forwarded IP Port header field consists of the corresponding HTTP request IP Port field between PSU and TPP, if available. | |
| **PSU-Accept** | *string* |
| The forwarded IP Accept header fields consist of the corresponding HTTP request Accept header fields between PSU and TPP, if available. | |
| **PSU-Accept-Charset** | *string* |
| The forwarded IP Accept header fields consist of the corresponding HTTP request Accept header fields between PSU and TPP, if available. | |
| **PSU-Accept-Encoding** | *string* |
| The forwarded IP Accept header fields consist of the corresponding HTTP request Accept header fields between PSU and TPP, if available. | |
| **PSU-Accept-Language** | *string* |
| The forwarded IP Accept header fields consist of the corresponding HTTP request Accept header fields between PSU and TPP, if available. | |
| **PSU-User-Agent** | *string* |
| The forwarded Agent header field of the HTTP request between PSU and TPP, if available. | |
| **PSU-Http-Method** | *string* |
| HTTP method used at the PSU ? TPP interface, if available. Valid values are:   * GET * POST * PUT * PATCH * DELETE | |
| **PSU-Device-ID** | *string* |
| UUID (Universally Unique Identifier) for a device, which is used by the PSU, if available. UUID identifies either a device or a device dependant application installation. In case of an installation identification this ID need to be unaltered until removal from device. | |
| **PSU-Geo-Location** | *string* |
| The forwarded Geo Location of the corresponding http request between PSU and TPP if available. | |

## /v1/consents/{consentId}/status

### GET */v1/consents/{consentId}/status*

Consent status request

#### Path Parameters:

|  |  |
| --- | --- |
| **Name** | **Type** |
| **Description** | |
| **consentId** | *string* |
| ID of the corresponding consent object as returned by an Account Information Consent Request. | |

#### Header Attributes:

|  |  |
| --- | --- |
| **Name** | **Type** |
| **Description** | |
| **X-Request-ID** | *string* |
| ID of the request, unique to the call, as determined by the initiating party. | |
| **Digest** | *string* |
| Is contained if and only if the "Signature" element is contained in the header of the request. | |
| **Signature** | *string* |
| A signature of the request by the TPP on application level. This might be mandated by ASPSP. | |
| **TPP-Signature-Certificate** | *string* |
| The certificate used for signing the request, in base64 encoding. Must be contained if a signature is contained. | |
| **PSU-IP-Address** | *string* |
| The forwarded IP Address header field consists of the corresponding HTTP request IP Address field between PSU and TPP. It shall be contained if and only if this request was actively initiated by the PSU. | |
| **PSU-IP-Port** | *string* |
| The forwarded IP Port header field consists of the corresponding HTTP request IP Port field between PSU and TPP, if available. | |
| **PSU-Accept** | *string* |
| The forwarded IP Accept header fields consist of the corresponding HTTP request Accept header fields between PSU and TPP, if available. | |
| **PSU-Accept-Charset** | *string* |
| The forwarded IP Accept header fields consist of the corresponding HTTP request Accept header fields between PSU and TPP, if available. | |
| **PSU-Accept-Encoding** | *string* |
| The forwarded IP Accept header fields consist of the corresponding HTTP request Accept header fields between PSU and TPP, if available. | |
| **PSU-Accept-Language** | *string* |
| The forwarded IP Accept header fields consist of the corresponding HTTP request Accept header fields between PSU and TPP, if available. | |
| **PSU-User-Agent** | *string* |
| The forwarded Agent header field of the HTTP request between PSU and TPP, if available. | |
| **PSU-Http-Method** | *string* |
| HTTP method used at the PSU ? TPP interface, if available. Valid values are:   * GET * POST * PUT * PATCH * DELETE | |
| **PSU-Device-ID** | *string* |
| UUID (Universally Unique Identifier) for a device, which is used by the PSU, if available. UUID identifies either a device or a device dependant application installation. In case of an installation identification this ID need to be unaltered until removal from device. | |
| **PSU-Geo-Location** | *string* |
| The forwarded Geo Location of the corresponding http request between PSU and TPP if available. | |

## /v1/consents/{consentId}/authorisations

### POST */v1/consents/{consentId}/authorisations*

Start the authorisation process for a consent

#### Path Parameters:

|  |  |
| --- | --- |
| **Name** | **Type** |
| **Description** | |
| **consentId** | *string* |
| ID of the corresponding consent object as returned by an Account Information Consent Request. | |

#### Header Attributes:

|  |  |
| --- | --- |
| **Name** | **Type** |
| **Description** | |
| **X-Request-ID** | *string* |
| ID of the request, unique to the call, as determined by the initiating party. | |
| **Digest** | *string* |
| Is contained if and only if the "Signature" element is contained in the header of the request. | |
| **Signature** | *string* |
| A signature of the request by the TPP on application level. This might be mandated by ASPSP. | |
| **TPP-Signature-Certificate** | *string* |
| The certificate used for signing the request, in base64 encoding. Must be contained if a signature is contained. | |
| **PSU-ID** | *string* |
| 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 an preceeding AIS service in the same session. | |
| **PSU-ID-Type** | *string* |
| Type of the PSU-ID, needed in scenarios where PSUs have several PSU-IDs as access possibility. | |
| **PSU-Corporate-ID** | *string* |
| Might be mandated in the ASPSP's documentation. Only used in a corporate context. | |
| **PSU-Corporate-ID-Type** | *string* |
| Might be mandated in the ASPSP's documentation. Only used in a corporate context. | |
| **PSU-IP-Address** | *string* |
| The forwarded IP Address header field consists of the corresponding HTTP request IP Address field between PSU and TPP. It shall be contained if and only if this request was actively initiated by the PSU. | |
| **PSU-IP-Port** | *string* |
| The forwarded IP Port header field consists of the corresponding HTTP request IP Port field between PSU and TPP, if available. | |
| **PSU-Accept** | *string* |
| The forwarded IP Accept header fields consist of the corresponding HTTP request Accept header fields between PSU and TPP, if available. | |
| **PSU-Accept-Charset** | *string* |
| The forwarded IP Accept header fields consist of the corresponding HTTP request Accept header fields between PSU and TPP, if available. | |
| **PSU-Accept-Encoding** | *string* |
| The forwarded IP Accept header fields consist of the corresponding HTTP request Accept header fields between PSU and TPP, if available. | |
| **PSU-Accept-Language** | *string* |
| The forwarded IP Accept header fields consist of the corresponding HTTP request Accept header fields between PSU and TPP, if available. | |
| **PSU-User-Agent** | *string* |
| The forwarded Agent header field of the HTTP request between PSU and TPP, if available. | |
| **PSU-Http-Method** | *string* |
| HTTP method used at the PSU ? TPP interface, if available. Valid values are:   * GET * POST * PUT * PATCH * DELETE | |
| **PSU-Device-ID** | *string* |
| UUID (Universally Unique Identifier) for a device, which is used by the PSU, if available. UUID identifies either a device or a device dependant application installation. In case of an installation identification this ID need to be unaltered until removal from device. | |
| **PSU-Geo-Location** | *string* |
| The forwarded Geo Location of the corresponding http request between PSU and TPP if available. | |

### GET */v1/consents/{consentId}/authorisations*

Get Consent Authorisation Sub-Resources Request

#### Path Parameters:

|  |  |
| --- | --- |
| **Name** | **Type** |
| **Description** | |
| **consentId** | *string* |
| ID of the corresponding consent object as returned by an Account Information Consent Request. | |

#### Header Attributes:

|  |  |
| --- | --- |
| **Name** | **Type** |
| **Description** | |
| **X-Request-ID** | *string* |
| ID of the request, unique to the call, as determined by the initiating party. | |
| **Digest** | *string* |
| Is contained if and only if the "Signature" element is contained in the header of the request. | |
| **Signature** | *string* |
| A signature of the request by the TPP on application level. This might be mandated by ASPSP. | |
| **TPP-Signature-Certificate** | *string* |
| The certificate used for signing the request, in base64 encoding. Must be contained if a signature is contained. | |
| **PSU-IP-Address** | *string* |
| The forwarded IP Address header field consists of the corresponding HTTP request IP Address field between PSU and TPP. It shall be contained if and only if this request was actively initiated by the PSU. | |
| **PSU-IP-Port** | *string* |
| The forwarded IP Port header field consists of the corresponding HTTP request IP Port field between PSU and TPP, if available. | |
| **PSU-Accept** | *string* |
| The forwarded IP Accept header fields consist of the corresponding HTTP request Accept header fields between PSU and TPP, if available. | |
| **PSU-Accept-Charset** | *string* |
| The forwarded IP Accept header fields consist of the corresponding HTTP request Accept header fields between PSU and TPP, if available. | |
| **PSU-Accept-Encoding** | *string* |
| The forwarded IP Accept header fields consist of the corresponding HTTP request Accept header fields between PSU and TPP, if available. | |
| **PSU-Accept-Language** | *string* |
| The forwarded IP Accept header fields consist of the corresponding HTTP request Accept header fields between PSU and TPP, if available. | |
| **PSU-User-Agent** | *string* |
| The forwarded Agent header field of the HTTP request between PSU and TPP, if available. | |
| **PSU-Http-Method** | *string* |
| HTTP method used at the PSU ? TPP interface, if available. Valid values are:   * GET * POST * PUT * PATCH * DELETE | |
| **PSU-Device-ID** | *string* |
| UUID (Universally Unique Identifier) for a device, which is used by the PSU, if available. UUID identifies either a device or a device dependant application installation. In case of an installation identification this ID need to be unaltered until removal from device. | |
| **PSU-Geo-Location** | *string* |
| The forwarded Geo Location of the corresponding http request between PSU and TPP if available. | |

## /v1/consents/{consentId}/authorisations/{authorisationId}

### GET */v1/consents/{consentId}/authorisations/{authorisationId}*

Read the SCA status of the consent authorisation.

#### Path Parameters:

|  |  |
| --- | --- |
| **Name** | **Type** |
| **Description** | |
| **consentId** | *string* |
| ID of the corresponding consent object as returned by an Account Information Consent Request. | |
| **authorisationId** | *string* |
| Resource identification of the related SCA. | |

#### Header Attributes:

|  |  |
| --- | --- |
| **Name** | **Type** |
| **Description** | |
| **X-Request-ID** | *string* |
| ID of the request, unique to the call, as determined by the initiating party. | |
| **Digest** | *string* |
| Is contained if and only if the "Signature" element is contained in the header of the request. | |
| **Signature** | *string* |
| A signature of the request by the TPP on application level. This might be mandated by ASPSP. | |
| **TPP-Signature-Certificate** | *string* |
| The certificate used for signing the request, in base64 encoding. Must be contained if a signature is contained. | |
| **PSU-IP-Address** | *string* |
| The forwarded IP Address header field consists of the corresponding HTTP request IP Address field between PSU and TPP. It shall be contained if and only if this request was actively initiated by the PSU. | |
| **PSU-IP-Port** | *string* |
| The forwarded IP Port header field consists of the corresponding HTTP request IP Port field between PSU and TPP, if available. | |
| **PSU-Accept** | *string* |
| The forwarded IP Accept header fields consist of the corresponding HTTP request Accept header fields between PSU and TPP, if available. | |
| **PSU-Accept-Charset** | *string* |
| The forwarded IP Accept header fields consist of the corresponding HTTP request Accept header fields between PSU and TPP, if available. | |
| **PSU-Accept-Encoding** | *string* |
| The forwarded IP Accept header fields consist of the corresponding HTTP request Accept header fields between PSU and TPP, if available. | |
| **PSU-Accept-Language** | *string* |
| The forwarded IP Accept header fields consist of the corresponding HTTP request Accept header fields between PSU and TPP, if available. | |
| **PSU-User-Agent** | *string* |
| The forwarded Agent header field of the HTTP request between PSU and TPP, if available. | |
| **PSU-Http-Method** | *string* |
| HTTP method used at the PSU ? TPP interface, if available. Valid values are:   * GET * POST * PUT * PATCH * DELETE | |
| **PSU-Device-ID** | *string* |
| UUID (Universally Unique Identifier) for a device, which is used by the PSU, if available. UUID identifies either a device or a device dependant application installation. In case of an installation identification this ID need to be unaltered until removal from device. | |
| **PSU-Geo-Location** | *string* |
| The forwarded Geo Location of the corresponding http request between PSU and TPP if available. | |

### PUT */v1/consents/{consentId}/authorisations/{authorisationId}*

Update PSU Data for consents

#### Path Parameters:

|  |  |
| --- | --- |
| **Name** | **Type** |
| **Description** | |
| **consentId** | *string* |
| ID of the corresponding consent object as returned by an Account Information Consent Request. | |
| **authorisationId** | *string* |
| Resource identification of the related SCA. | |

#### Header Attributes:

|  |  |
| --- | --- |
| **Name** | **Type** |
| **Description** | |
| **X-Request-ID** | *string* |
| ID of the request, unique to the call, as determined by the initiating party. | |
| **Digest** | *string* |
| Is contained if and only if the "Signature" element is contained in the header of the request. | |
| **Signature** | *string* |
| A signature of the request by the TPP on application level. This might be mandated by ASPSP. | |
| **TPP-Signature-Certificate** | *string* |
| The certificate used for signing the request, in base64 encoding. Must be contained if a signature is contained. | |
| **PSU-ID** | *string* |
| 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 an preceeding AIS service in the same session. | |
| **PSU-ID-Type** | *string* |
| Type of the PSU-ID, needed in scenarios where PSUs have several PSU-IDs as access possibility. | |
| **PSU-Corporate-ID** | *string* |
| Might be mandated in the ASPSP's documentation. Only used in a corporate context. | |
| **PSU-Corporate-ID-Type** | *string* |
| Might be mandated in the ASPSP's documentation. Only used in a corporate context. | |
| **PSU-IP-Address** | *string* |
| The forwarded IP Address header field consists of the corresponding HTTP request IP Address field between PSU and TPP. It shall be contained if and only if this request was actively initiated by the PSU. | |
| **PSU-IP-Port** | *string* |
| The forwarded IP Port header field consists of the corresponding HTTP request IP Port field between PSU and TPP, if available. | |
| **PSU-Accept** | *string* |
| The forwarded IP Accept header fields consist of the corresponding HTTP request Accept header fields between PSU and TPP, if available. | |
| **PSU-Accept-Charset** | *string* |
| The forwarded IP Accept header fields consist of the corresponding HTTP request Accept header fields between PSU and TPP, if available. | |
| **PSU-Accept-Encoding** | *string* |
| The forwarded IP Accept header fields consist of the corresponding HTTP request Accept header fields between PSU and TPP, if available. | |
| **PSU-Accept-Language** | *string* |
| The forwarded IP Accept header fields consist of the corresponding HTTP request Accept header fields between PSU and TPP, if available. | |
| **PSU-User-Agent** | *string* |
| The forwarded Agent header field of the HTTP request between PSU and TPP, if available. | |
| **PSU-Http-Method** | *string* |
| HTTP method used at the PSU ? TPP interface, if available. Valid values are:   * GET * POST * PUT * PATCH * DELETE | |
| **PSU-Device-ID** | *string* |
| UUID (Universally Unique Identifier) for a device, which is used by the PSU, if available. UUID identifies either a device or a device dependant application installation. In case of an installation identification this ID need to be unaltered until removal from device. | |
| **PSU-Geo-Location** | *string* |
| The forwarded Geo Location of the corresponding http request between PSU and TPP if available. | |

## /v1/funds-confirmations

### POST */v1/funds-confirmations*

Confirmation of Funds Request

#### Header Attributes:

|  |  |
| --- | --- |
| **Name** | **Type** |
| **Description** | |
| **X-Request-ID** | *string* |
| ID of the request, unique to the call, as determined by the initiating party. | |
| **Digest** | *string* |
| Is contained if and only if the "Signature" element is contained in the header of the request. | |
| **Signature** | *string* |
| A signature of the request by the TPP on application level. This might be mandated by ASPSP. | |
| **TPP-Signature-Certificate** | *string* |
| The certificate used for signing the request, in base64 encoding. Must be contained if a signature is contained. | |

## /v1/signing-baskets

### POST */v1/signing-baskets*

Create a signing basket resource

#### Header Attributes:

|  |  |
| --- | --- |
| **Name** | **Type** |
| **Description** | |
| **X-Request-ID** | *string* |
| ID of the request, unique to the call, as determined by the initiating party. | |
| **Digest** | *string* |
| Is contained if and only if the "Signature" element is contained in the header of the request. | |
| **Signature** | *string* |
| A signature of the request by the TPP on application level. This might be mandated by ASPSP. | |
| **TPP-Signature-Certificate** | *string* |
| The certificate used for signing the request, in base64 encoding. Must be contained if a signature is contained. | |
| **PSU-ID** | *string* |
| 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 an preceeding AIS service in the same session. | |
| **PSU-ID-Type** | *string* |
| Type of the PSU-ID, needed in scenarios where PSUs have several PSU-IDs as access possibility. | |
| **PSU-Corporate-ID** | *string* |
| Might be mandated in the ASPSP's documentation. Only used in a corporate context. | |
| **PSU-Corporate-ID-Type** | *string* |
| Might be mandated in the ASPSP's documentation. Only used in a corporate context. | |
| **Consent-ID** | *string* |
| This data element may be contained, if the payment initiation transaction is part of a session, i.e. combined AIS/PIS service. This then contains the consentId of the related AIS consent, which was performed prior to this payment initiation. | |
| **PSU-IP-Address** | *string* |
| The forwarded IP Address header field consists of the corresponding http request IP Address field between PSU and TPP. | |
| **TPP-Redirect-Preferred** | *string* |
| If it equals "true", the TPP prefers a redirect over an embedded SCA approach. If it equals "false", the TPP prefers not to be redirected for SCA. The ASPSP will then choose between the Embedded or the Decoupled SCA approach, depending on the choice of the SCA procedure by the TPP/PSU. If the parameter is not used, the ASPSP will choose the SCA approach to be applied depending on the SCA method chosen by the TPP/PSU. | |
| **TPP-Redirect-URI** | *string* |
| URI of the TPP, where the transaction flow shall be redirected to after a Redirect.  Mandated for the Redirect SCA Approach (including OAuth2 SCA approach), specifically when TPP-Redirect-Preferred equals "true". It is recommended to always use this header field.  **Remark for Future:** This field might be changed to mandatory in the next version of the specification. | |
| **TPP-Nok-Redirect-URI** | *string* |
| If this URI is contained, the TPP is asking to redirect the transaction flow to this address instead of the TPP-Redirect-URI in case of a negative result of the redirect SCA method. This might be ignored by the ASPSP. | |
| **TPP-Explicit-Authorisation-Preferred** | *string* |
| If it equals "true", the TPP prefers to start the authorisation process separately, e.g. because of the usage of a signing basket. This preference might be ignored by the ASPSP, if a signing basket is not supported as functionality.  If it equals "false" or if the parameter is not used, there is no preference of the TPP. This especially indicates that the TPP assumes a direct authorisation of the transaction in the next step, without using a signing basket. | |
| **PSU-IP-Port** | *string* |
| The forwarded IP Port header field consists of the corresponding HTTP request IP Port field between PSU and TPP, if available. | |
| **PSU-Accept** | *string* |
| The forwarded IP Accept header fields consist of the corresponding HTTP request Accept header fields between PSU and TPP, if available. | |
| **PSU-Accept-Charset** | *string* |
| The forwarded IP Accept header fields consist of the corresponding HTTP request Accept header fields between PSU and TPP, if available. | |
| **PSU-Accept-Encoding** | *string* |
| The forwarded IP Accept header fields consist of the corresponding HTTP request Accept header fields between PSU and TPP, if available. | |
| **PSU-Accept-Language** | *string* |
| The forwarded IP Accept header fields consist of the corresponding HTTP request Accept header fields between PSU and TPP, if available. | |
| **PSU-User-Agent** | *string* |
| The forwarded Agent header field of the HTTP request between PSU and TPP, if available. | |
| **PSU-Http-Method** | *string* |
| HTTP method used at the PSU ? TPP interface, if available. Valid values are:   * GET * POST * PUT * PATCH * DELETE | |
| **PSU-Device-ID** | *string* |
| UUID (Universally Unique Identifier) for a device, which is used by the PSU, if available. UUID identifies either a device or a device dependant application installation. In case of an installation identification this ID need to be unaltered until removal from device. | |
| **PSU-Geo-Location** | *string* |
| The forwarded Geo Location of the corresponding http request between PSU and TPP if available. | |

## /v1/signing-baskets/{basketId}

### GET */v1/signing-baskets/{basketId}*

Returns the content of an signing basket object.

#### Path Parameters:

|  |  |
| --- | --- |
| **Name** | **Type** |
| **Description** | |
| **basketId** | *string* |
| This identification of the corresponding signing basket object. | |

#### Header Attributes:

|  |  |
| --- | --- |
| **Name** | **Type** |
| **Description** | |
| **X-Request-ID** | *string* |
| ID of the request, unique to the call, as determined by the initiating party. | |
| **Digest** | *string* |
| Is contained if and only if the "Signature" element is contained in the header of the request. | |
| **Signature** | *string* |
| A signature of the request by the TPP on application level. This might be mandated by ASPSP. | |
| **TPP-Signature-Certificate** | *string* |
| The certificate used for signing the request, in base64 encoding. Must be contained if a signature is contained. | |
| **PSU-IP-Address** | *string* |
| The forwarded IP Address header field consists of the corresponding http request IP Address field between PSU and TPP. | |
| **PSU-IP-Port** | *string* |
| The forwarded IP Port header field consists of the corresponding HTTP request IP Port field between PSU and TPP, if available. | |
| **PSU-Accept** | *string* |
| The forwarded IP Accept header fields consist of the corresponding HTTP request Accept header fields between PSU and TPP, if available. | |
| **PSU-Accept-Charset** | *string* |
| The forwarded IP Accept header fields consist of the corresponding HTTP request Accept header fields between PSU and TPP, if available. | |
| **PSU-Accept-Encoding** | *string* |
| The forwarded IP Accept header fields consist of the corresponding HTTP request Accept header fields between PSU and TPP, if available. | |
| **PSU-Accept-Language** | *string* |
| The forwarded IP Accept header fields consist of the corresponding HTTP request Accept header fields between PSU and TPP, if available. | |
| **PSU-User-Agent** | *string* |
| The forwarded Agent header field of the HTTP request between PSU and TPP, if available. | |
| **PSU-Http-Method** | *string* |
| HTTP method used at the PSU ? TPP interface, if available. Valid values are:   * GET * POST * PUT * PATCH * DELETE | |
| **PSU-Device-ID** | *string* |
| UUID (Universally Unique Identifier) for a device, which is used by the PSU, if available. UUID identifies either a device or a device dependant application installation. In case of an installation identification this ID need to be unaltered until removal from device. | |
| **PSU-Geo-Location** | *string* |
| The forwarded Geo Location of the corresponding http request between PSU and TPP if available. | |

### DELETE */v1/signing-baskets/{basketId}*

Delete the signing basket

#### Path Parameters:

|  |  |
| --- | --- |
| **Name** | **Type** |
| **Description** | |
| **basketId** | *string* |
| This identification of the corresponding signing basket object. | |

#### Header Attributes:

|  |  |
| --- | --- |
| **Name** | **Type** |
| **Description** | |
| **X-Request-ID** | *string* |
| ID of the request, unique to the call, as determined by the initiating party. | |
| **Digest** | *string* |
| Is contained if and only if the "Signature" element is contained in the header of the request. | |
| **Signature** | *string* |
| A signature of the request by the TPP on application level. This might be mandated by ASPSP. | |
| **TPP-Signature-Certificate** | *string* |
| The certificate used for signing the request, in base64 encoding. Must be contained if a signature is contained. | |
| **PSU-IP-Address** | *string* |
| The forwarded IP Address header field consists of the corresponding http request IP Address field between PSU and TPP. | |
| **PSU-IP-Port** | *string* |
| The forwarded IP Port header field consists of the corresponding HTTP request IP Port field between PSU and TPP, if available. | |
| **PSU-Accept** | *string* |
| The forwarded IP Accept header fields consist of the corresponding HTTP request Accept header fields between PSU and TPP, if available. | |
| **PSU-Accept-Charset** | *string* |
| The forwarded IP Accept header fields consist of the corresponding HTTP request Accept header fields between PSU and TPP, if available. | |
| **PSU-Accept-Encoding** | *string* |
| The forwarded IP Accept header fields consist of the corresponding HTTP request Accept header fields between PSU and TPP, if available. | |
| **PSU-Accept-Language** | *string* |
| The forwarded IP Accept header fields consist of the corresponding HTTP request Accept header fields between PSU and TPP, if available. | |
| **PSU-User-Agent** | *string* |
| The forwarded Agent header field of the HTTP request between PSU and TPP, if available. | |
| **PSU-Http-Method** | *string* |
| HTTP method used at the PSU ? TPP interface, if available. Valid values are:   * GET * POST * PUT * PATCH * DELETE | |
| **PSU-Device-ID** | *string* |
| UUID (Universally Unique Identifier) for a device, which is used by the PSU, if available. UUID identifies either a device or a device dependant application installation. In case of an installation identification this ID need to be unaltered until removal from device. | |
| **PSU-Geo-Location** | *string* |
| The forwarded Geo Location of the corresponding http request between PSU and TPP if available. | |

## /v1/signing-baskets/{basketId}/status

### GET */v1/signing-baskets/{basketId}/status*

Read the status of the signing basket

#### Path Parameters:

|  |  |
| --- | --- |
| **Name** | **Type** |
| **Description** | |
| **basketId** | *string* |
| This identification of the corresponding signing basket object. | |

#### Header Attributes:

|  |  |
| --- | --- |
| **Name** | **Type** |
| **Description** | |
| **X-Request-ID** | *string* |
| ID of the request, unique to the call, as determined by the initiating party. | |
| **Digest** | *string* |
| Is contained if and only if the "Signature" element is contained in the header of the request. | |
| **Signature** | *string* |
| A signature of the request by the TPP on application level. This might be mandated by ASPSP. | |
| **TPP-Signature-Certificate** | *string* |
| The certificate used for signing the request, in base64 encoding. Must be contained if a signature is contained. | |
| **PSU-ID** | *string* |
| 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 an preceeding AIS service in the same session. | |
| **PSU-ID-Type** | *string* |
| Type of the PSU-ID, needed in scenarios where PSUs have several PSU-IDs as access possibility. | |
| **PSU-Corporate-ID** | *string* |
| Might be mandated in the ASPSP's documentation. Only used in a corporate context. | |
| **PSU-Corporate-ID-Type** | *string* |
| Might be mandated in the ASPSP's documentation. Only used in a corporate context. | |
| **PSU-IP-Address** | *string* |
| The forwarded IP Address header field consists of the corresponding http request IP Address field between PSU and TPP. | |
| **PSU-IP-Port** | *string* |
| The forwarded IP Port header field consists of the corresponding HTTP request IP Port field between PSU and TPP, if available. | |
| **PSU-Accept** | *string* |
| The forwarded IP Accept header fields consist of the corresponding HTTP request Accept header fields between PSU and TPP, if available. | |
| **PSU-Accept-Charset** | *string* |
| The forwarded IP Accept header fields consist of the corresponding HTTP request Accept header fields between PSU and TPP, if available. | |
| **PSU-Accept-Encoding** | *string* |
| The forwarded IP Accept header fields consist of the corresponding HTTP request Accept header fields between PSU and TPP, if available. | |
| **PSU-Accept-Language** | *string* |
| The forwarded IP Accept header fields consist of the corresponding HTTP request Accept header fields between PSU and TPP, if available. | |
| **PSU-User-Agent** | *string* |
| The forwarded Agent header field of the HTTP request between PSU and TPP, if available. | |
| **PSU-Http-Method** | *string* |
| HTTP method used at the PSU ? TPP interface, if available. Valid values are:   * GET * POST * PUT * PATCH * DELETE | |
| **PSU-Device-ID** | *string* |
| UUID (Universally Unique Identifier) for a device, which is used by the PSU, if available. UUID identifies either a device or a device dependant application installation. In case of an installation identification this ID need to be unaltered until removal from device. | |
| **PSU-Geo-Location** | *string* |
| The forwarded Geo Location of the corresponding http request between PSU and TPP if available. | |

## /v1/signing-baskets/{basketId}/authorisations

### POST */v1/signing-baskets/{basketId}/authorisations*

Start the authorisation process for a signing basket

#### Path Parameters:

|  |  |
| --- | --- |
| **Name** | **Type** |
| **Description** | |
| **basketId** | *string* |
| This identification of the corresponding signing basket object. | |

#### Header Attributes:

|  |  |
| --- | --- |
| **Name** | **Type** |
| **Description** | |
| **X-Request-ID** | *string* |
| ID of the request, unique to the call, as determined by the initiating party. | |
| **Digest** | *string* |
| Is contained if and only if the "Signature" element is contained in the header of the request. | |
| **Signature** | *string* |
| A signature of the request by the TPP on application level. This might be mandated by ASPSP. | |
| **TPP-Signature-Certificate** | *string* |
| The certificate used for signing the request, in base64 encoding. Must be contained if a signature is contained. | |
| **PSU-ID** | *string* |
| 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 an preceeding AIS service in the same session. | |
| **PSU-ID-Type** | *string* |
| Type of the PSU-ID, needed in scenarios where PSUs have several PSU-IDs as access possibility. | |
| **PSU-Corporate-ID** | *string* |
| Might be mandated in the ASPSP's documentation. Only used in a corporate context. | |
| **PSU-Corporate-ID-Type** | *string* |
| Might be mandated in the ASPSP's documentation. Only used in a corporate context. | |
| **PSU-IP-Address** | *string* |
| The forwarded IP Address header field consists of the corresponding http request IP Address field between PSU and TPP. | |
| **PSU-IP-Port** | *string* |
| The forwarded IP Port header field consists of the corresponding HTTP request IP Port field between PSU and TPP, if available. | |
| **PSU-Accept** | *string* |
| The forwarded IP Accept header fields consist of the corresponding HTTP request Accept header fields between PSU and TPP, if available. | |
| **PSU-Accept-Charset** | *string* |
| The forwarded IP Accept header fields consist of the corresponding HTTP request Accept header fields between PSU and TPP, if available. | |
| **PSU-Accept-Encoding** | *string* |
| The forwarded IP Accept header fields consist of the corresponding HTTP request Accept header fields between PSU and TPP, if available. | |
| **PSU-Accept-Language** | *string* |
| The forwarded IP Accept header fields consist of the corresponding HTTP request Accept header fields between PSU and TPP, if available. | |
| **PSU-User-Agent** | *string* |
| The forwarded Agent header field of the HTTP request between PSU and TPP, if available. | |
| **PSU-Http-Method** | *string* |
| HTTP method used at the PSU ? TPP interface, if available. Valid values are:   * GET * POST * PUT * PATCH * DELETE | |
| **PSU-Device-ID** | *string* |
| UUID (Universally Unique Identifier) for a device, which is used by the PSU, if available. UUID identifies either a device or a device dependant application installation. In case of an installation identification this ID need to be unaltered until removal from device. | |
| **PSU-Geo-Location** | *string* |
| The forwarded Geo Location of the corresponding http request between PSU and TPP if available. | |

### GET */v1/signing-baskets/{basketId}/authorisations*

Get Signing Basket Authorisation Sub-Resources Request

#### Path Parameters:

|  |  |
| --- | --- |
| **Name** | **Type** |
| **Description** | |
| **basketId** | *string* |
| This identification of the corresponding signing basket object. | |

#### Header Attributes:

|  |  |
| --- | --- |
| **Name** | **Type** |
| **Description** | |
| **X-Request-ID** | *string* |
| ID of the request, unique to the call, as determined by the initiating party. | |
| **Digest** | *string* |
| Is contained if and only if the "Signature" element is contained in the header of the request. | |
| **Signature** | *string* |
| A signature of the request by the TPP on application level. This might be mandated by ASPSP. | |
| **TPP-Signature-Certificate** | *string* |
| The certificate used for signing the request, in base64 encoding. Must be contained if a signature is contained. | |
| **PSU-IP-Address** | *string* |
| The forwarded IP Address header field consists of the corresponding http request IP Address field between PSU and TPP. | |
| **PSU-IP-Port** | *string* |
| The forwarded IP Port header field consists of the corresponding HTTP request IP Port field between PSU and TPP, if available. | |
| **PSU-Accept** | *string* |
| The forwarded IP Accept header fields consist of the corresponding HTTP request Accept header fields between PSU and TPP, if available. | |
| **PSU-Accept-Charset** | *string* |
| The forwarded IP Accept header fields consist of the corresponding HTTP request Accept header fields between PSU and TPP, if available. | |
| **PSU-Accept-Encoding** | *string* |
| The forwarded IP Accept header fields consist of the corresponding HTTP request Accept header fields between PSU and TPP, if available. | |
| **PSU-Accept-Language** | *string* |
| The forwarded IP Accept header fields consist of the corresponding HTTP request Accept header fields between PSU and TPP, if available. | |
| **PSU-User-Agent** | *string* |
| The forwarded Agent header field of the HTTP request between PSU and TPP, if available. | |
| **PSU-Http-Method** | *string* |
| HTTP method used at the PSU ? TPP interface, if available. Valid values are:   * GET * POST * PUT * PATCH * DELETE | |
| **PSU-Device-ID** | *string* |
| UUID (Universally Unique Identifier) for a device, which is used by the PSU, if available. UUID identifies either a device or a device dependant application installation. In case of an installation identification this ID need to be unaltered until removal from device. | |
| **PSU-Geo-Location** | *string* |
| The forwarded Geo Location of the corresponding http request between PSU and TPP if available. | |

## /v1/signing-baskets/{basketId}/authorisations/{authorisationId}

### PUT */v1/signing-baskets/{basketId}/authorisations/{authorisationId}*

Update PSU Data for signing basket

#### Path Parameters:

|  |  |
| --- | --- |
| **Name** | **Type** |
| **Description** | |
| **basketId** | *string* |
| This identification of the corresponding signing basket object. | |
| **authorisationId** | *string* |
| Resource identification of the related SCA. | |

#### Header Attributes:

|  |  |
| --- | --- |
| **Name** | **Type** |
| **Description** | |
| **X-Request-ID** | *string* |
| ID of the request, unique to the call, as determined by the initiating party. | |
| **Digest** | *string* |
| Is contained if and only if the "Signature" element is contained in the header of the request. | |
| **Signature** | *string* |
| A signature of the request by the TPP on application level. This might be mandated by ASPSP. | |
| **TPP-Signature-Certificate** | *string* |
| The certificate used for signing the request, in base64 encoding. Must be contained if a signature is contained. | |
| **PSU-ID** | *string* |
| 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 an preceeding AIS service in the same session. | |
| **PSU-ID-Type** | *string* |
| Type of the PSU-ID, needed in scenarios where PSUs have several PSU-IDs as access possibility. | |
| **PSU-Corporate-ID** | *string* |
| Might be mandated in the ASPSP's documentation. Only used in a corporate context. | |
| **PSU-Corporate-ID-Type** | *string* |
| Might be mandated in the ASPSP's documentation. Only used in a corporate context. | |
| **PSU-IP-Address** | *string* |
| The forwarded IP Address header field consists of the corresponding http request IP Address field between PSU and TPP. | |
| **PSU-IP-Port** | *string* |
| The forwarded IP Port header field consists of the corresponding HTTP request IP Port field between PSU and TPP, if available. | |
| **PSU-Accept** | *string* |
| The forwarded IP Accept header fields consist of the corresponding HTTP request Accept header fields between PSU and TPP, if available. | |
| **PSU-Accept-Charset** | *string* |
| The forwarded IP Accept header fields consist of the corresponding HTTP request Accept header fields between PSU and TPP, if available. | |
| **PSU-Accept-Encoding** | *string* |
| The forwarded IP Accept header fields consist of the corresponding HTTP request Accept header fields between PSU and TPP, if available. | |
| **PSU-Accept-Language** | *string* |
| The forwarded IP Accept header fields consist of the corresponding HTTP request Accept header fields between PSU and TPP, if available. | |
| **PSU-User-Agent** | *string* |
| The forwarded Agent header field of the HTTP request between PSU and TPP, if available. | |
| **PSU-Http-Method** | *string* |
| HTTP method used at the PSU ? TPP interface, if available. Valid values are:   * GET * POST * PUT * PATCH * DELETE | |
| **PSU-Device-ID** | *string* |
| UUID (Universally Unique Identifier) for a device, which is used by the PSU, if available. UUID identifies either a device or a device dependant application installation. In case of an installation identification this ID need to be unaltered until removal from device. | |
| **PSU-Geo-Location** | *string* |
| The forwarded Geo Location of the corresponding http request between PSU and TPP if available. | |

### GET */v1/signing-baskets/{basketId}/authorisations/{authorisationId}*

Read the SCA status of the signing basket authorisation

#### Path Parameters:

|  |  |
| --- | --- |
| **Name** | **Type** |
| **Description** | |
| **basketId** | *string* |
| This identification of the corresponding signing basket object. | |
| **authorisationId** | *string* |
| Resource identification of the related SCA. | |

#### Header Attributes:

|  |  |
| --- | --- |
| **Name** | **Type** |
| **Description** | |
| **X-Request-ID** | *string* |
| ID of the request, unique to the call, as determined by the initiating party. | |
| **Digest** | *string* |
| Is contained if and only if the "Signature" element is contained in the header of the request. | |
| **Signature** | *string* |
| A signature of the request by the TPP on application level. This might be mandated by ASPSP. | |
| **TPP-Signature-Certificate** | *string* |
| The certificate used for signing the request, in base64 encoding. Must be contained if a signature is contained. | |
| **PSU-IP-Address** | *string* |
| The forwarded IP Address header field consists of the corresponding http request IP Address field between PSU and TPP. | |
| **PSU-IP-Port** | *string* |
| The forwarded IP Port header field consists of the corresponding HTTP request IP Port field between PSU and TPP, if available. | |
| **PSU-Accept** | *string* |
| The forwarded IP Accept header fields consist of the corresponding HTTP request Accept header fields between PSU and TPP, if available. | |
| **PSU-Accept-Charset** | *string* |
| The forwarded IP Accept header fields consist of the corresponding HTTP request Accept header fields between PSU and TPP, if available. | |
| **PSU-Accept-Encoding** | *string* |
| The forwarded IP Accept header fields consist of the corresponding HTTP request Accept header fields between PSU and TPP, if available. | |
| **PSU-Accept-Language** | *string* |
| The forwarded IP Accept header fields consist of the corresponding HTTP request Accept header fields between PSU and TPP, if available. | |
| **PSU-User-Agent** | *string* |
| The forwarded Agent header field of the HTTP request between PSU and TPP, if available. | |
| **PSU-Http-Method** | *string* |
| HTTP method used at the PSU ? TPP interface, if available. Valid values are:   * GET * POST * PUT * PATCH * DELETE | |
| **PSU-Device-ID** | *string* |
| UUID (Universally Unique Identifier) for a device, which is used by the PSU, if available. UUID identifies either a device or a device dependant application installation. In case of an installation identification this ID need to be unaltered until removal from device. | |
| **PSU-Geo-Location** | *string* |
| The forwarded Geo Location of the corresponding http request between PSU and TPP if available. | |