

Read Write APIs

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1. Overview

Draft Swagger specification for Read Write

1.1. Version information

Version : v0.1

1.2. Contact information

Contact : Claudio Viola

Contact Email : claudio.viola@openbanking.org.uk

1.3. License information

License : open-licence

License URL : <https://www.openbanking.org.uk/open-licence>

Terms of service : <https://www.openbanking.org.uk/terms>

1.4. URI scheme

BasePath : /open-banking

Schemes : HTTPS

1.5. Tags

- Accounts : Account related endpoints
- Payments : Payments endpoints

1.6. Produces

- `application/json`

2. Paths

2.1. Get Accounts

GET /accounts

2.1.1. Description

Get a list of accounts

2.1.2. Responses

HTTP Code	Description	Schema
200	Accounts successfully retrieved	Accounts GET response
400	Bad Request	No Content
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content
500	Internal Server Error	No Content

Accounts GET response

Name	Schema
data <i>required</i>	< data > array
links <i>optional</i>	links
meta <i>required</i>	meta

data

Name	Description	Schema
AccountId <i>required</i>	A unique identifier used to identify the account resource Length : 1 - 35	string
Currency <i>optional</i>	Identification of the currency in which the account is held. Pattern : "^[A-Z]{3}\$"	string
Identification <i>optional</i>	Unique and unambiguous identification for the account between the account owner and the account servicer. Length : 1 - 35	string

Name	Description	Schema
Name <i>optional</i>	Name of the account, as assigned by the account servicing institution, in agreement with the account owner in order to provide an additional means of identification of the account. Length : 1 - 70	string
UKBankSortCode <i>optional</i>	UK Domestic Sort Code Identifier Pattern : "^SC[0-9]{6,6}\$"	string

links

Name	Schema
first <i>optional</i>	string (uri)
last <i>optional</i>	string (uri)
next <i>optional</i>	string (uri)
prev <i>optional</i>	string (uri)
self <i>required</i>	string (uri)

meta

Name	Schema
TotalResults <i>optional</i>	integer

2.1.3. Produces

- `application/json`

2.1.4. Tags

- Accounts

2.1.5. Security

Type	Name	Scopes
oauth2	PSUOAuth2Security	accounts

2.2. Create an account request resource

POST /accounts-requests

2.2.1. Description

Create an account request resource

2.2.2. Body parameter

Create an Account Request

Name : body

Flags : required

Name	Description	Schema
ExpiresAt <i>required</i>	Date time when the access to the account information will expire	string (date-time)
Permissions <i>required</i>		Permissions

Permissions

Name	Schema
Account <i>optional</i>	Account
Transactions <i>optional</i>	Transactions

Account

Name	Description	Schema
readBalances <i>optional</i>	Allow read access to balances for authorised accounts	boolean
readBasic <i>optional</i>	Allow read permission on basic accounts information for authorised accounts	boolean
readBeneficiaries <i>optional</i>	Allow read access to beneficiaries for authorised accounts	boolean
readBeneficiariesIdentities <i>optional</i>	Allow read access to beneficiaries identities (account number) for one or more accounts	boolean
readIdentities <i>optional</i>	Allow read permission on sort-code, account number and name for authorised accounts	boolean

Name	Description	Schema
readProducts <i>optional</i>	Allow read access to product details for authorised accounts	boolean

Transactions

Name	Description	Schema
readAll <i>optional</i>	Allow read access on all transactions resources for one or more accounts	boolean
readCredits <i>optional</i>	Allow read access to credit transactions for one or more accounts	boolean
readDebits <i>optional</i>	Allow read access to debit transactions for one or more accounts	boolean
readDescriptions <i>optional</i>	Allow read access to transactions descriptions for one or more accounts	boolean
readFromDate <i>required</i>	Allow read access to all transactions starting from the specified date	string (date-time)
readToDate <i>required</i>	Allow read access to all transactions ending on the specified date, if not provided	string (date-time)

2.2.3. Responses

HTTP Code	Description	Schema
201	Account Request resource successfully created	Account Request POST response
400	Bad Request	No Content
401	Unauthorized	No Content
403	Forbidden	No Content
409	Conflict	No Content
500	Internal Server Error	No Content

Account Request POST response

Name	Description	Schema
AccountRequestId <i>required</i>	Unique identification as assigned by the ASPSP to uniquely identify the account request resource. Length : 1 - 35	string
CreatedAt <i>required</i>	Date and time at which the resource was created.	string (date-time)
ExpiresAt <i>required</i>	Date time when the access to the account information will expire	string (date-time)

Name	Description	Schema
Permissions <i>required</i>		Permissions
Status <i>required</i>		enum (AwaitingAuthorisation, Authorised, NotAuthorised, Expired)

Permissions

Name	Schema
Account <i>optional</i>	Account
Transactions <i>optional</i>	Transactions

Account

Name	Description	Schema
readBalances <i>optional</i>	Allow read access to balances for authorised accounts	boolean
readBasic <i>optional</i>	Allow read permission on basic accounts information for authorised accounts	boolean
readBeneficiaries <i>optional</i>	Allow read access to beneficiaries for authorised accounts	boolean
readBeneficiariesIdentities <i>optional</i>	Allow read access to beneficiaries identities (account number) for one or more accounts	boolean
readIdentities <i>optional</i>	Allow read permission on sort-code, account number and name for authorised accounts	boolean
readProducts <i>optional</i>	Allow read access to product details for authorised accounts	boolean

Transactions

Name	Description	Schema
readAll <i>optional</i>	Allow read access on all transactions resources for one or more accounts	boolean
readCredits <i>optional</i>	Allow read access to credit transactions for one or more accounts	boolean
readDebits <i>optional</i>	Allow read access to debit transactions for one or more accounts	boolean

Name	Description	Schema
readDescriptions <i>optional</i>	Allow read access to transactions descriptions for one or more accounts	boolean
readFromDate <i>required</i>	Allow read access to all transactions starting from the specified date	string (date-time)
readToDate <i>required</i>	Allow read access to all transactions ending on the specified date, if not provided	string (date-time)

2.2.4. Consumes

- `application/json`

2.2.5. Produces

- `application/json`

2.2.6. Tags

- Accounts

2.2.7. Security

Type	Name	Scopes
oauth2	TPPOAuth2Security	tpp_client_credential

2.3. Get an account request resource

GET /accounts-requests/{AccountRequestId}

2.3.1. Description

Get an account request resource

2.3.2. Parameters

Type	Name	Description	Schema
Path	AccountRequestId <i>required</i>	Unique identification as assigned by the ASPSP to uniquely identify the account request resource.	string

2.3.3. Responses

HTTP Code	Description	Schema
200	Account Request resource successfully retrieved	Account Request GET response
400	Bad Request	No Content
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content
500	Internal Server Error	No Content

Account Request GET response

Name	Description	Schema
AccountRequestId <i>required</i>	Unique identification as assigned by the ASPSP to uniquely identify the account request resource. Length : 1 - 35	string
CreatedAt <i>required</i>	Date and time at which the resource was created.	string (date-time)
ExpiresAt <i>required</i>	Date time when the access to the account information will expire	string (date-time)
Permissions <i>required</i>		Permissions
Status <i>required</i>		enum (AwaitingAuthorisation, Authorised, NotAuthorised, Expired)

Permissions

Name	Schema
Account <i>optional</i>	Account
Transactions <i>optional</i>	Transactions

Account

Name	Description	Schema
readBalances <i>optional</i>	Allow read access to balances for authorised accounts	boolean
readBasic <i>optional</i>	Allow read permission on basic accounts information for authorised accounts	boolean
readBeneficiaries <i>optional</i>	Allow read access to beneficiaries for authorised accounts	boolean
readBeneficiariesIdentities <i>optional</i>	Allow read access to beneficiaries identities (account number) for one or more accounts	boolean
readIdentities <i>optional</i>	Allow read permission on sort-code, account number and name for authorised accounts	boolean
readProducts <i>optional</i>	Allow read access to product details for authorised accounts	boolean

Transactions

Name	Description	Schema
readAll <i>optional</i>	Allow read access on all transactions resources for one or more accounts	boolean
readCredits <i>optional</i>	Allow read access to credit transactions for one or more accounts	boolean
readDebits <i>optional</i>	Allow read access to debit transactions for one or more accounts	boolean
readDescriptions <i>optional</i>	Allow read access to transactions descriptions for one or more accounts	boolean
readFromDate <i>required</i>	Allow read access to all transactions starting from the specified date	string (date-time)
readToDate <i>required</i>	Allow read access to all transactions ending on the specified date, if not provided	string (date-time)

2.3.4. Produces

- `application/json`

2.3.5. Tags

- Accounts

2.3.6. Security

Type	Name	Scopes
oauth2	TPPOAuth2Security	tpp_client_credential

2.4. Get Account

GET /accounts/{AccountId}

2.4.1. Description

Get an account

2.4.2. Parameters

Type	Name	Description	Schema
Path	AccountId <i>required</i>	A unique identifier used to identify the account resource.	string

2.4.3. Responses

HTTP Code	Description	Schema
200	Account resource successfully retrieved	Account GET response
400	Bad Request	No Content
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content
500	Internal Server Error	No Content

Account GET response

Name	Description	Schema
AccountId <i>required</i>	A unique identifier used to identify the account resource Length : 1 - 35	string
Currency <i>optional</i>	Identification of the currency in which the account is held. Pattern : "[A-Z]{3}\$"	string
Identification <i>optional</i>	Unique and unambiguous identification for the account between the account owner and the account servicer. Length : 1 - 35	string
Name <i>optional</i>	Name of the account, as assigned by the account servicing institution, in agreement with the account owner in order to provide an additional means of identification of the account. Length : 1 - 70	string
UKBankSortCode <i>optional</i>	UK Domestic Sort Code Identifier Pattern : "[SC[0-9]{6,6}]\$"	string

2.4.4. Produces

- `application/json`

2.4.5. Tags

- Accounts

2.4.6. Security

Type	Name	Scopes
oauth2	PSUOAuth2Security	accounts

2.5. Get Account Balances

GET /accounts/{AccountId}/balances

2.5.1. Description

Get Balances related to an account

2.5.2. Parameters

Type	Name	Description	Schema
Path	AccountId <i>required</i>	A unique identifier used to identify the account resource.	string

2.5.3. Responses

HTTP Code	Description	Schema
200	Account Beneficiaries successfully retrieved	Balances GET response
400	Bad Request	No Content
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content
500	Internal Server Error	No Content

Balances GET response

Name	Description	Schema
data <i>required</i>	Array of Balances	< data > array
links <i>optional</i>		links
meta <i>required</i>		meta

data

Name	Description	Schema
AccountId <i>required</i>	A unique identifier used to identify the account resource Length : 1 - 35	string
Amount <i>required</i>	Amount of money of the cash balance.	Amount

Name	Description	Schema
CreditLine <i>optional</i>		CreditLine
Date <i>required</i>	Indicates the date (and time) of the balance.	Date
Type <i>required</i>	Balance type, in a coded form.	enum (ClosingAvailable, ClosingBooked, ForwardAvailable, InterimAvailable, InterimBooked, OpeningAvailable, OpeningBooked, PreviouslyClosedBoo ked, Expected)

Amount

Name	Description	Schema
Amount <i>required</i>	Pattern : "^-?\d{1,13}\.\d{1,5}\$"	string
Currency <i>required</i>	A code allocated to a currency by a Maintenance Agency under an international identification scheme, as described in the latest edition of the international standard ISO 4217 'Codes for the representation of currencies and funds' Pattern : "^[A-Z]{3}\$"	string

CreditLine

Name	Description	Schema
Amount <i>optional</i>	Active Or Historic Currency Code and Amount	Amount
Included <i>required</i>		boolean

Amount

Name	Description	Schema
Amount <i>required</i>	Pattern : "^-?\d{1,13}\.\d{1,5}\$"	string
Currency <i>required</i>	A code allocated to a currency by a Maintenance Agency under an international identification scheme, as described in the latest edition of the international standard ISO 4217 'Codes for the representation of currencies and funds' Pattern : "^[A-Z]{3}\$"	string

Date

Name	Description	Schema
Date <i>optional</i>	ISODate YYYY-MM-DD Pattern : " <code>^[0-9]{4}-(0[1-9] (1[0 1 2]))- 0[1-9] ((1 2)[0-9]) (30 31\$</code> "	string
DateTime <i>optional</i>		string (date-time)

links

Name	Schema
first <i>optional</i>	string (uri)
last <i>optional</i>	string (uri)
next <i>optional</i>	string (uri)
prev <i>optional</i>	string (uri)
self <i>required</i>	string (uri)

meta

Name	Schema
TotalResults <i>optional</i>	integer

2.5.4. Produces

- `application/json`

2.5.5. Tags

- Accounts

2.5.6. Security

Type	Name	Scopes
oauth2	PSUOAuth2Security	accounts

2.6. Get Account Beneficiaries

GET /accounts/{AccountId}/beneficiaries

2.6.1. Description

Get Beneficiaries related to an account

2.6.2. Parameters

Type	Name	Description	Schema
Path	AccountId <i>required</i>	A unique identifier used to identify the account resource.	string

2.6.3. Responses

HTTP Code	Description	Schema
200	Account Beneficiaries successfully retrieved	Beneficiaries GET response
400	Bad Request	No Content
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content
500	Internal Server Error	No Content

Beneficiaries GET response

Name	Description	Schema
data <i>required</i>	Array of Beneficiaries	< data > array
links <i>optional</i>		links
meta <i>required</i>		meta

data

Name	Description	Schema
AccountId <i>required</i>	A unique identifier used to identify the account resource Length : 1 - 35	string
BeneficiaryType <i>required</i>	Indicates whether the entry is a credit or a debit entry	enum (DirectDebit, StandingOrder)

Name	Description	Schema
Identification <i>optional</i>	Unique and unambiguous identification for the account between the account owner and the account servicer. Length : 1 - 35	string
Name <i>optional</i>	Name of the account, as assigned by the account servicing institution, in agreement with the account owner in order to provide an additional means of identification of the account. Usage: The account name is different from the account owner name. The account name is used in certain user communities to provide a means of identifying the account, in addition to the account owner's identity and the account number. Length : 1 - 70	string
UKBankSortCode <i>optional</i>	UK Domestic Sort Code Identifier Pattern : "^SC[0-9]{6,6}\$"	string

links

Name	Schema
first <i>optional</i>	string (uri)
last <i>optional</i>	string (uri)
next <i>optional</i>	string (uri)
prev <i>optional</i>	string (uri)
self <i>required</i>	string (uri)

meta

Name	Schema
TotalResults <i>optional</i>	integer

2.6.4. Produces

- `application/json`

2.6.5. Tags

- Accounts

2.6.6. Security

Type	Name	Scopes
oauth2	PSUOAuth2Security	accounts

2.7. Get Account Transactions

GET /accounts/{AccountId}/transactions

2.7.1. Description

Get transactions related to an account

2.7.2. Parameters

Type	Name	Description	Schema
Path	AccountId <i>required</i>	A unique identifier used to identify the account resource.	string

2.7.3. Responses

HTTP Code	Description	Schema
200	Account Transactions successfully retrieved	Account Transactions GET response
400	Bad Request	No Content
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content
500	Internal Server Error	No Content

Account Transactions GET response

Name	Description	Schema
data <i>required</i>	Array of Transactions	< data > array
links <i>optional</i>		links
meta <i>required</i>		meta

data

Name	Description	Schema
AccountId <i>required</i>	A unique identifier used to identify the account resource Length : 1 - 35	string

Name	Description	Schema
AdditionalEntryInformation <i>optional</i>	Further details of the entry. Length : 1 - 500	string
AddressLine <i>optional</i>	Information that locates and identifies a specific address, as defined by postal services, that is presented in free format text. Length : 1 - 70	string
Amount <i>required</i>	Amount of money in the cash entry.	Amount
Balance <i>required</i>		Balance
BankTransactionCode <i>required</i>	Set of elements used to fully identify the type of underlying transaction resulting in an entry.	BankTransactionCode
BookingDate <i>optional</i>	Date and time when an entry is posted to an account on the account servicer's books. Usage: Booking date is the expected booking date, unless the status is booked, in which case it is the actual booking date.	BookingDate
CreditDebitIndicator <i>required</i>	Indicates whether the entry is a credit or a debit entry	enum (Credit, Debit)
EntryReference <i>optional</i>	Unique reference for the entry. Length : 1 - 35	string
MerchantDetails <i>optional</i>		MerchantDetails
Status <i>required</i>	Status of an entry on the books of the account servicer	enum (Booked, Pending, Information)
ValueDate <i>optional</i>	Date and time at which assets become available to the account owner in case of a credit entry, or cease to be available to the account owner in case of a debit entry. Usage: If entry status is pending and value date is present, then the value date refers to an expected/requested value date. For entries subject to availability/float and for which availability information is provided, the value date must not be used. In this case the availability component identifies the number of availability days.	ValueDate

Amount

Name	Description	Schema
Amount <i>required</i>	Pattern : "^-?\d{1,13}\.\d{1,5}\$"	string

Name	Description	Schema
Currency <i>required</i>	A code allocated to a currency by a Maintenance Agency under an international identification scheme, as described in the latest edition of the international standard ISO 4217 'Codes for the representation of currencies and funds' Pattern : " <code>^[A-Z]{3}\$</code> "	string

Balance

Name	Description	Schema
Amount <i>required</i>	Amount of money of the cash balance	Amount
CreditDebitIndicator <i>required</i>	Indicates whether the balance is a credit or a debit balance. Usage: A zero balance is considered to be a credit balance.	enum (Credit, Debit)
Type <i>required</i>	Balance type, in a coded form	enum (Interim, Booked)

Amount

Name	Description	Schema
Amount <i>required</i>	Pattern : " <code>^-?\d{1,13}\.\d{1,5}\$</code> "	string
Currency <i>required</i>	A code allocated to a currency by a Maintenance Agency under an international identification scheme, as described in the latest edition of the international standard ISO 4217 'Codes for the representation of currencies and funds' Pattern : " <code>^[A-Z]{3}\$</code> "	string

BankTransactionCode

Name	Description	Schema
Family <i>optional</i>	Set of elements used to provide the domain, the family and the sub-family of the bank transaction code, in a structured and hierarchical format. Usage: If a specific family or sub-family code cannot be provided, the generic family code defined for the domain or the generic sub-family code defined for the family should be provided.	Family
Proprietary <i>optional</i>	Bank transaction code in a proprietary form, as defined by the issuer.	Proprietary

Family

Name	Description	Schema
Code <i>required</i>	Specifies the family within a domain. Type: ExternalBankTransactionFamily1Code	string

Name	Description	Schema
SubFamilyCode <i>required</i>	Specifies the sub-product family within a specific family. Type ExternalBankTransactionSubFamily1Code	string

Proprietary

Name	Description	Schema
Code <i>required</i>	Proprietary bank transaction code to identify the underlying transaction. Length : 1 - 35	string
Issuer <i>optional</i>	Identification of the issuer of the proprietary bank transaction code. Length : 1 - 35	string

BookingDate

Name	Description	Schema
Date <i>optional</i>	ISODate YYYY-MM-DD Pattern : " <code>^[0-9]{4}-(0[1-9] (1[0 1 2]))- 0[1-9] ((1 2)[0-9]) (30 31\$"</code> "	string
DateTime <i>optional</i>		string (date-time)

MerchantDetails

Name	Description	Schema
MerchantCategoryCode <i>optional</i>	Category code conform to ISO 18245, related to the type of services or goods the merchant provides for the transaction. Length : 3 - 4	string
Name <i>required</i>	Name by which the party is known and which is usually used to identify that party. Length : 1 - 350	string

ValueDate

Name	Description	Schema
Date <i>optional</i>	ISODate YYYY-MM-DD Pattern : " <code>^[0-9]{4}-(0[1-9] (1[0 1 2]))- 0[1-9] ((1 2)[0-9]) (30 31\$"</code> "	string
DateTime <i>optional</i>		string (date-time)

links

Name	Schema
first <i>optional</i>	string (uri)
last <i>optional</i>	string (uri)
next <i>optional</i>	string (uri)
prev <i>optional</i>	string (uri)
self <i>required</i>	string (uri)

meta

Name	Schema
TotalResults <i>optional</i>	integer

2.7.4. Produces

- `application/json`

2.7.5. Tags

- Accounts

2.7.6. Security

Type	Name	Scopes
oauth2	PSUOAuth2Security	accounts

2.8. Get Balances

GET /balances

2.8.1. Description

Get Balances

2.8.2. Responses

HTTP Code	Description	Schema
200	Balances successfully retrieved	Balances GET response
400	Bad Request	No Content
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content
500	Internal Server Error	No Content

Balances GET response

Name	Description	Schema
data <i>required</i>	Array of Balances	< data > array
links <i>optional</i>		links
meta <i>required</i>		meta

data

Name	Description	Schema
AccountId <i>required</i>	A unique identifier used to identify the account resource Length : 1 - 35	string
Amount <i>required</i>	Amount of money of the cash balance.	Amount
CreditLine <i>optional</i>		CreditLine
Date <i>required</i>	Indicates the date (and time) of the balance.	Date

Name	Description	Schema
Type <i>required</i>	Balance type, in a coded form.	enum (ClosingAvailable, ClosingBooked, ForwardAvailable, InterimAvailable, InterimBooked, OpeningAvailable, OpeningBooked, PreviouslyClosedBoo ked, Expected)

Amount

Name	Description	Schema
Amount <i>required</i>	Pattern : "^-?\d{1,13}\.\d{1,5}\$"	string
Currency <i>required</i>	A code allocated to a currency by a Maintenance Agency under an international identification scheme, as described in the latest edition of the international standard ISO 4217 'Codes for the representation of currencies and funds' Pattern : "^[A-Z]{3}\$"	string

CreditLine

Name	Description	Schema
Amount <i>optional</i>	Active Or Historic Currency Code and Amount	Amount
Included <i>required</i>		boolean

Amount

Name	Description	Schema
Amount <i>required</i>	Pattern : "^-?\d{1,13}\.\d{1,5}\$"	string
Currency <i>required</i>	A code allocated to a currency by a Maintenance Agency under an international identification scheme, as described in the latest edition of the international standard ISO 4217 'Codes for the representation of currencies and funds' Pattern : "^[A-Z]{3}\$"	string

Date

Name	Description	Schema
Date <i>optional</i>	ISODate YYYY-MM-DD Pattern : "^([0-9]{4})-([01-9] (1[012]))- 0[1-9]) ((12)[0-9]) (30 31)\$"	string

Name	Description	Schema
DateTime <i>optional</i>		string (date-time)

links

Name	Schema
first <i>optional</i>	string (uri)
last <i>optional</i>	string (uri)
next <i>optional</i>	string (uri)
prev <i>optional</i>	string (uri)
self <i>required</i>	string (uri)

meta

Name	Schema
TotalResults <i>optional</i>	integer

2.8.3. Produces

- `application/json`

2.8.4. Tags

- Balances

2.8.5. Security

Type	Name	Scopes
oauth2	PSUOAuth2Security	accounts

2.9. Get Beneficiaries

GET /beneficiaries

2.9.1. Description

Get Beneficiaries

2.9.2. Responses

HTTP Code	Description	Schema
200	Beneficiaries successfully retrieved	Beneficiaries GET response
400	Bad Request	No Content
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content
500	Internal Server Error	No Content

Beneficiaries GET response

Name	Description	Schema
data <i>required</i>	Array of Beneficiaries	< data > array
links <i>optional</i>		links
meta <i>required</i>		meta

data

Name	Description	Schema
AccountId <i>required</i>	A unique identifier used to identify the account resource Length : 1 - 35	string
BeneficiaryType <i>required</i>	Indicates whether the entry is a credit or a debit entry	enum (DirectDebit, StandingOrder)
Identification <i>optional</i>	Unique and unambiguous identification for the account between the account owner and the account servicer. Length : 1 - 35	string

Name	Description	Schema
Name <i>optional</i>	Name of the account, as assigned by the account servicing institution, in agreement with the account owner in order to provide an additional means of identification of the account. Usage: The account name is different from the account owner name. The account name is used in certain user communities to provide a means of identifying the account, in addition to the account owner's identity and the account number. Length : 1 - 70	string
UKBankSortCode <i>optional</i>	UK Domestic Sort Code Identifier Pattern : "^SC[0-9]{6,6}\$"	string

links

Name	Schema
first <i>optional</i>	string (uri)
last <i>optional</i>	string (uri)
next <i>optional</i>	string (uri)
prev <i>optional</i>	string (uri)
self <i>required</i>	string (uri)

meta

Name	Schema
TotalResults <i>optional</i>	integer

2.9.3. Produces

- `application/json`

2.9.4. Tags

- Beneficiaries

2.9.5. Security

Type	Name	Scopes
oauth2	PSUOAuth2Security	accounts

2.10. Create a payment submission

POST /payment-submissions

2.10.1. Description

Submit a previously setup payment

2.10.2. Body parameter

Setup a single immediate payment

Name : body

Flags : required

Name	Description	Schema
CreditorAccount <i>required</i>	Unambiguous identification of the account of the creditor to which a credit entry will be posted as a result of the payment transaction.	CreditorAccount
CreditorAgent <i>required</i>	Financial institution servicing an account for the creditor.	CreditorAgent
DebtorAccount <i>optional</i>	Unambiguous identification of the account of the debtor to which a debit entry will be made as a result of the transaction.	DebtorAccount
DebtorAgent <i>optional</i>	Financial institution servicing an account for the debtor.	DebtorAgent
EndToEndIdentification <i>required</i>	Unique identification assigned by the initiating party to unambiguously identify the transaction. This identification is passed on, unchanged, throughout the entire end-to-end chain. Usage: The end-to-end identification can be used for reconciliation or to link tasks relating to the transaction. It can be included in several messages related to the transaction. Length : 1 - 35	string
InstructedAmount <i>required</i>	Amount of money to be moved between the debtor and creditor, before deduction of charges, expressed in the currency as ordered by the initiating party. Usage: This amount has to be transported unchanged through the transaction chain.	InstructedAmount
InstructionIdentification <i>required</i>	Unique identification as assigned by an instructing party for an instructed party to unambiguously identify the instruction. Usage: the instruction identification is a point to point reference that can be used between the instructing party and the instructed party to refer to the individual instruction. It can be included in several messages related to the instruction. Length : 1 - 35	string

Name	Description	Schema
MerchantCategoryCode <i>optional</i>	Category code conform to ISO 18245, related to the type of services or goods the merchant provides for the transaction. Length : 3 - 4	string
PaymentId <i>required</i>	Unique identification as assigned by the ASPSP to uniquely identify the payment setup resource. Length : 1 - 35	string
RemittanceInformation <i>optional</i>	Information supplied to enable the matching/reconciliation of an entry with the items that the payment is intended to settle, such as commercial invoices in an accounts' receivable system, in an unstructured form.	RemittanceInformation

CreditorAccount

Name	Description	Schema
Identification <i>required</i>	maxLength 34 text Length : 1 - 34	string
Name <i>required</i>	maxLength 70 text Length : 1 - 70	string
SchemeName <i>required</i>	Name of the identification scheme, in a coded form as published in an external list.	enum (BBAN)

CreditorAgent

Name	Description	Schema
Identification <i>required</i>	United Kingdom (UK) Sort Code - identifies British financial institutions on the British national clearing systems. The sort code is assigned by the Association for Payments and Clearing Services (APACS). Pattern : "^SC[0-9]{6,6}\$"	string
SchemeName <i>required</i>	Specifies the external financial institution identification scheme name code in the format of character string.	enum (UKSortCode)

DebtorAccount

Name	Description	Schema
Identification <i>required</i>	maxLength 34 text Length : 1 - 34	string
Name <i>optional</i>	maxLength 70 text Length : 1 - 70	string
SchemeName <i>required</i>	Name of the identification scheme, in a coded form as published in an external list.	enum (BBAN)

DebtorAgent

Name	Description	Schema
Identification <i>required</i>	United Kingdom (UK) Sort Code - identifies British financial institutions on the British national clearing systems. The sort code is assigned by the Association for Payments and Clearing Services (APACS). Pattern : " <code>^SC[0-9]{6,6}\$</code> "	string
SchemeName <i>required</i>	Specifies the external financial institution identification scheme name code in the format of character string.	enum (UKSortCode)

InstructedAmount

Name	Description	Schema
Amount <i>required</i>	Pattern : " <code>^-?\d{1,13}\.\d{1,5}\$</code> "	string
Currency <i>required</i>	A code allocated to a currency by a Maintenance Agency under an international identification scheme, as described in the latest edition of the international standard ISO 4217 'Codes for the representation of currencies and funds' Pattern : " <code>^[A-Z]{3}\$</code> "	string

RemittanceInformation

Name	Description	Schema
CreditorReferenceInformation <i>optional</i>	Unique reference, as assigned by the creditor, to unambiguously refer to the payment transaction. Usage: If available, the initiating party should provide this reference in the structured remittance information, to enable reconciliation by the creditor upon receipt of the amount of money. If the business context requires the use of a creditor reference or a payment remit identification, and only one identifier can be passed through the end-to-end chain, the creditor's reference or payment remittance identification should be quoted in the end-to-end transaction identification. Length : 1 - 35	string
Unstructured <i>optional</i>	Information supplied to enable the matching/reconciliation of an entry with the items that the payment is intended to settle, such as commercial invoices in an accounts' receivable system, in an unstructured form. Length : 1 - 140	string

2.10.3. Responses

HTTP Code	Description	Schema
201	Payment submit resource successfully created	Payment Submit POST 201 Response

HTTP Code	Description	Schema
400	Bad Request	No Content
401	Unauthorized	No Content
403	Forbidden	No Content
409	Conflict	No Content
500	Internal Server Error	No Content

Payment Submit POST 201 Response

Name	Description	Schema
CreatedAt <i>required</i>	Date and time at which the resource was created.	string (date-time)
Links <i>required</i>		< Links > array
PaymentId <i>required</i>	Unique identification as assigned by the ASPSP to uniquely identify the payment setup resource. Length : 1 - 35	string
PaymentSubmissionId <i>required</i>	Unique identification as assigned by the ASPSP to uniquely identify the payment submission resource. Length : 1 - 35	string
Status <i>required</i>	Status of the payment setup resource	enum (AcceptedSettlement InProgress, AcceptedSettlementC ompleted, Received, Rejected)

Links

Name	Schema
href <i>optional</i>	string (uri)
method <i>optional</i>	enum (GET)
rel <i>optional</i>	enum (self)

2.10.4. Consumes

- `application/json`

2.10.5. Produces

- `application/json`

2.10.6. Tags

- Payments

2.10.7. Security

Type	Name	Scopes
oauth2	PSUOAuth2Security	payment

2.11. Get a payment submission

GET /payment-submissions/{PaymentSubmissionId}

2.11.1. Description

Get payment submission

2.11.2. Parameters

Type	Name	Description	Schema
Path	PaymentSubmissionId <i>required</i>	Unique identification as assigned by the ASPSP to uniquely identify the payment submission resource.	string

2.11.3. Responses

HTTP Code	Description	Schema
200	Payment resource successfully retrieved	Payment Submit GET Response
400	Bad Request	No Content
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content
500	Internal Server Error	No Content

Payment Submit GET Response

Name	Description	Schema
CreatedAt <i>required</i>	Date and time at which the resource was created.	string (date-time)
Links <i>required</i>		< Links > array
PaymentId <i>required</i>	Unique identification as assigned by the ASPSP to uniquely identify the payment setup resource. Length : 1 - 35	string
PaymentSubmissionId <i>required</i>	Unique identification as assigned by the ASPSP to uniquely identify the payment submission resource. Length : 1 - 35	string

Name	Description	Schema
Status <i>required</i>	Status of the payment setup resource	enum (AcceptedSettlement InProgress, AcceptedSettlementC ompleted, Received, Rejected)

Links

Name	Schema
href <i>optional</i>	string (uri)
method <i>optional</i>	enum (GET)
rel <i>optional</i>	enum (self)

2.11.4. Produces

- `application/json`

2.11.5. Tags

- Payments

2.11.6. Security

Type	Name	Scopes
oauth2	TPPOAuth2Security	tpp_client_credential

2.12. Create a single immediate payment

POST /payments

2.12.1. Description

Create a single immediate payment

2.12.2. Parameters

Type	Name	Description	Schema
Header	x-idempotency-key <i>required</i>	Every request will be processed only once per x-idempotency-key	string

2.12.3. Body parameter

Setup a single immediate payment

Name : body

Flags : required

Name	Description	Schema
CreditorAccount <i>required</i>	Unambiguous identification of the account of the creditor to which a credit entry will be posted as a result of the payment transaction.	CreditorAccount
CreditorAgent <i>required</i>	Financial institution servicing an account for the creditor.	CreditorAgent
DebtorAccount <i>optional</i>	Unambiguous identification of the account of the debtor to which a debit entry will be made as a result of the transaction.	DebtorAccount
DebtorAgent <i>optional</i>	Financial institution servicing an account for the debtor.	DebtorAgent
EndToEndIdentification <i>required</i>	Unique identification assigned by the initiating party to unambiguously identify the transaction. This identification is passed on, unchanged, throughout the entire end-to-end chain. Usage: The end-to-end identification can be used for reconciliation or to link tasks relating to the transaction. It can be included in several messages related to the transaction. Length : 1 - 35	string

Name	Description	Schema
InstructedAmount <i>required</i>	Amount of money to be moved between the debtor and creditor, before deduction of charges, expressed in the currency as ordered by the initiating party. Usage: This amount has to be transported unchanged through the transaction chain.	InstructedAmount
InstructionIdentification <i>required</i>	Unique identification as assigned by an instructing party for an instructed party to unambiguously identify the instruction. Usage: the instruction identification is a point to point reference that can be used between the instructing party and the instructed party to refer to the individual instruction. It can be included in several messages related to the instruction. Length : 1 - 35	string
MerchantCategoryCode <i>optional</i>	Category code conform to ISO 18245, related to the type of services or goods the merchant provides for the transaction. Length : 3 - 4	string
RemittanceInformation <i>optional</i>	Information supplied to enable the matching/reconciliation of an entry with the items that the payment is intended to settle, such as commercial invoices in an accounts' receivable system, in an unstructured form.	RemittanceInformation

CreditorAccount

Name	Description	Schema
Identification <i>required</i>	maxLength 34 text Length : 1 - 34	string
Name <i>required</i>	maxLength 70 text Length : 1 - 70	string
SchemeName <i>required</i>	Name of the identification scheme, in a coded form as published in an external list.	enum (BBAN)

CreditorAgent

Name	Description	Schema
Identification <i>required</i>	United Kingdom (UK) Sort Code - identifies British financial institutions on the British national clearing systems. The sort code is assigned by the Association for Payments and Clearing Services (APACS). Pattern : "^SC[0-9]{6,6}\$"	string
SchemeName <i>required</i>	Specifies the external financial institution identification scheme name code in the format of character string.	enum (UKSortCode)

DebtorAccount

Name	Description	Schema
Identification <i>required</i>	maxLength 34 text Length : 1 - 34	string
Name <i>optional</i>	maxLength 70 text Length : 1 - 70	string
SchemeName <i>required</i>	Name of the identification scheme, in a coded form as published in an external list.	enum (BBAN)

DebtorAgent

Name	Description	Schema
Identification <i>required</i>	United Kingdom (UK) Sort Code - identifies British financial institutions on the British national clearing systems. The sort code is assigned by the Association for Payments and Clearing Services (APACS). Pattern : "^SC[0-9]{6,6}\$"	string
SchemeName <i>required</i>	Specifies the external financial institution identification scheme name code in the format of character string.	enum (UKSortCode)

InstructedAmount

Name	Description	Schema
Amount <i>required</i>	Pattern : "^-?\d{1,13}\.\d{1,5}\$"	string
Currency <i>required</i>	A code allocated to a currency by a Maintenance Agency under an international identification scheme, as described in the latest edition of the international standard ISO 4217 'Codes for the representation of currencies and funds' Pattern : "^[A-Z]{3}\$"	string

RemittanceInformation

Name	Description	Schema
CreditorReferenceInformation <i>optional</i>	Unique reference, as assigned by the creditor, to unambiguously refer to the payment transaction. Usage: If available, the initiating party should provide this reference in the structured remittance information, to enable reconciliation by the creditor upon receipt of the amount of money. If the business context requires the use of a creditor reference or a payment remit identification, and only one identifier can be passed through the end-to-end chain, the creditor's reference or payment remittance identification should be quoted in the end-to-end transaction identification. Length : 1 - 35	string

Name	Description	Schema
Unstructured <i>optional</i>	Information supplied to enable the matching/reconciliation of an entry with the items that the payment is intended to settle, such as commercial invoices in an accounts' receivable system, in an unstructured form. Length : 1 - 140	string

2.12.4. Responses

HTTP Code	Description	Schema
201	Payment setup resource successfully created	Payment setup POST response
400	Bad Request	No Content
401	Unauthorized	No Content
403	Forbidden	No Content
409	Conflict	No Content
500	Internal Server Error	No Content

Payment setup POST response

Name	Description	Schema
CreatedAt <i>required</i>	Date and time at which the resource was created.	string (date-time)
CreditorAccount <i>required</i>	Unambiguous identification of the account of the creditor to which a credit entry will be posted as a result of the payment transaction.	CreditorAccount
CreditorAgent <i>required</i>	Financial institution servicing an account for the creditor.	CreditorAgent
DebtorAccount <i>optional</i>	Unambiguous identification of the account of the debtor to which a debit entry will be made as a result of the transaction.	DebtorAccount
DebtorAgent <i>optional</i>	Financial institution servicing an account for the debtor.	DebtorAgent
EndToEndIdentification <i>required</i>	Unique identification assigned by the initiating party to unambiguously identify the transaction. This identification is passed on, unchanged, throughout the entire end-to-end chain. Usage: The end-to-end identification can be used for reconciliation or to link tasks relating to the transaction. It can be included in several messages related to the transaction. Length : 1 - 35	string

Name	Description	Schema
InstructedAmount <i>required</i>	Amount of money to be moved between the debtor and creditor, before deduction of charges, expressed in the currency as ordered by the initiating party. Usage: This amount has to be transported unchanged through the transaction chain.	InstructedAmount
InstructionIdentification <i>required</i>	Unique identification as assigned by an instructing party for an instructed party to unambiguously identify the instruction. Usage: the instruction identification is a point to point reference that can be used between the instructing party and the instructed party to refer to the individual instruction. It can be included in several messages related to the instruction. Length : 1 - 35	string
Links <i>required</i>		< Links > array
MerchantCategoryCode <i>optional</i>	Category code conform to ISO 18245, related to the type of services or goods the merchant provides for the transaction. Length : 3 - 4	string
PaymentId <i>required</i>	Unique identification as assigned by the ASPSP to uniquely identify the payment setup resource. Length : 1 - 35	string
RemittanceInformation <i>optional</i>	Information supplied to enable the matching/reconciliation of an entry with the items that the payment is intended to settle, such as commercial invoices in an accounts' receivable system, in an unstructured form. Length : 1 - 140	string
Status <i>required</i>	Status of the payment setup resource	enum (Pending, AcceptedTechnicalValidation, AcceptedCustomerProfile, Rejected)

CreditorAccount

Name	Description	Schema
Identification <i>required</i>	maxLength 34 text Length : 1 - 34	string
Name <i>required</i>	maxLength 70 text Length : 1 - 70	string
SchemeName <i>required</i>	Name of the identification scheme, in a coded form as published in an external list.	enum (BBAN)

CreditorAgent

Name	Description	Schema
Identification <i>required</i>	United Kingdom (UK) Sort Code - identifies British financial institutions on the British national clearing systems. The sort code is assigned by the Association for Payments and Clearing Services (APACS). Pattern : " ^SC[0-9]{6,6}\$ "	string
SchemeName <i>required</i>	Specifies the external financial institution identification scheme name code in the format of character string.	enum (UKSortCode)

DebtorAccount

Name	Description	Schema
Identification <i>required</i>	maxLength 34 text Length : 1 - 34	string
Name <i>optional</i>	maxLength 70 text Length : 1 - 70	string
SchemeName <i>required</i>	Name of the identification scheme, in a coded form as published in an external list.	enum (BBAN)

DebtorAgent

Name	Description	Schema
Identification <i>required</i>	United Kingdom (UK) Sort Code - identifies British financial institutions on the British national clearing systems. The sort code is assigned by the Association for Payments and Clearing Services (APACS). Pattern : " ^SC[0-9]{6,6}\$ "	string
SchemeName <i>required</i>	Specifies the external financial institution identification scheme name code in the format of character string.	enum (UKSortCode)

InstructedAmount

Name	Description	Schema
Amount <i>required</i>	Pattern : " ^-?\d{1,13}\.\d{1,5}\$ "	string
Currency <i>required</i>	A code allocated to a currency by a Maintenance Agency under an international identification scheme, as described in the latest edition of the international standard ISO 4217 'Codes for the representation of currencies and funds' Pattern : " ^[A-Z]{3}\$ "	string

Links

Name	Schema
href <i>optional</i>	string (uri)

Name	Schema
method <i>optional</i>	enum (GET)
rel <i>optional</i>	enum (self)

2.12.5. Consumes

- `application/json`

2.12.6. Produces

- `application/json`

2.12.7. Tags

- Payments

2.12.8. Security

Type	Name	Scopes
oauth2	TPPOAuth2Security	tpp_client_credential

2.13. Get a single immediate payment

GET /payments/{PaymentId}

2.13.1. Description

Get a single immediate payment

2.13.2. Parameters

Type	Name	Description	Schema
Path	PaymentId <i>required</i>	Unique identification as assigned by the ASPSP to uniquely identify the payment setup resource.	string

2.13.3. Responses

HTTP Code	Description	Schema
200	Payment resource successfully retrieved	Payment setup GET response
400	Bad Request	No Content
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content
500	Internal Server Error	No Content

Payment setup GET response

Name	Description	Schema
CreatedAt <i>required</i>	Date and time at which the resource was created.	string (date-time)
CreditorAccount <i>required</i>	Unambiguous identification of the account of the creditor to which a credit entry will be posted as a result of the payment transaction.	CreditorAccount
CreditorAgent <i>required</i>	Financial institution servicing an account for the creditor.	CreditorAgent
DebtorAccount <i>optional</i>	Unambiguous identification of the account of the debtor to which a debit entry will be made as a result of the transaction.	DebtorAccount
DebtorAgent <i>optional</i>	Financial institution servicing an account for the debtor.	DebtorAgent

Name	Description	Schema
EndToEndIdentification <i>required</i>	Unique identification assigned by the initiating party to unambiguously identify the transaction. This identification is passed on, unchanged, throughout the entire end-to-end chain. Usage: The end-to-end identification can be used for reconciliation or to link tasks relating to the transaction. It can be included in several messages related to the transaction. Length : 1 - 35	string
InstructedAmount <i>required</i>	Amount of money to be moved between the debtor and creditor, before deduction of charges, expressed in the currency as ordered by the initiating party. Usage: This amount has to be transported unchanged through the transaction chain.	InstructedAmount
InstructionIdentification <i>required</i>	Unique identification as assigned by an instructing party for an instructed party to unambiguously identify the instruction. Usage: the instruction identification is a point to point reference that can be used between the instructing party and the instructed party to refer to the individual instruction. It can be included in several messages related to the instruction. Length : 1 - 35	string
Links <i>required</i>		< Links > array
MerchantCategoryCode <i>optional</i>	Category code conform to ISO 18245, related to the type of services or goods the merchant provides for the transaction. Length : 3 - 4	string
PaymentId <i>required</i>	Unique identification as assigned by the ASPSP to uniquely identify the payment setup resource. Length : 1 - 35	string
RemittanceInformation <i>optional</i>	Information supplied to enable the matching/reconciliation of an entry with the items that the payment is intended to settle, such as commercial invoices in an accounts' receivable system, in an unstructured form. Length : 1 - 140	string
Status <i>required</i>	Status of the payment setup resource	enum (Pending, AcceptedTechnicalValidation, AcceptedCustomerProfile, Rejected)

CreditorAccount

Name	Description	Schema
Identification <i>required</i>	maxLength 34 text Length : 1 - 34	string

Name	Description	Schema
Name <i>required</i>	maxLength 70 text Length : 1 - 70	string
SchemeName <i>required</i>	Name of the identification scheme, in a coded form as published in an external list.	enum (BBAN)

CreditorAgent

Name	Description	Schema
Identification <i>required</i>	United Kingdom (UK) Sort Code - identifies British financial institutions on the British national clearing systems. The sort code is assigned by the Association for Payments and Clearing Services (APACS). Pattern : "^SC[0-9]{6,6}\$"	string
SchemeName <i>required</i>	Specifies the external financial institution identification scheme name code in the format of character string.	enum (UKSortCode)

DebtorAccount

Name	Description	Schema
Identification <i>required</i>	maxLength 34 text Length : 1 - 34	string
Name <i>optional</i>	maxLength 70 text Length : 1 - 70	string
SchemeName <i>required</i>	Name of the identification scheme, in a coded form as published in an external list.	enum (BBAN)

DebtorAgent

Name	Description	Schema
Identification <i>required</i>	United Kingdom (UK) Sort Code - identifies British financial institutions on the British national clearing systems. The sort code is assigned by the Association for Payments and Clearing Services (APACS). Pattern : "^SC[0-9]{6,6}\$"	string
SchemeName <i>required</i>	Specifies the external financial institution identification scheme name code in the format of character string.	enum (UKSortCode)

InstructedAmount

Name	Description	Schema
Amount <i>required</i>	Pattern : "^-?\d{1,13}\.\d{1,5}\$"	string

Name	Description	Schema
Currency <i>required</i>	A code allocated to a currency by a Maintenance Agency under an international identification scheme, as described in the latest edition of the international standard ISO 4217 'Codes for the representation of currencies and funds' Pattern : " ^[A-Z]{3}\$ "	string

Links

Name	Schema
href <i>optional</i>	string (uri)
method <i>optional</i>	enum (GET)
rel <i>optional</i>	enum (self)

2.13.4. Produces

- [application/json](#)

2.13.5. Tags

- Payments

2.13.6. Security

Type	Name	Scopes
oauth2	TPPOAuth2Security	tpp_client_credential

2.14. Get Transactions

GET /transactions

2.14.1. Description

Get Transactions

2.14.2. Responses

HTTP Code	Description	Schema
200	Transactions successfully retrieved	Account Transactions GET response
400	Bad Request	No Content
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content
500	Internal Server Error	No Content

Account Transactions GET response

Name	Description	Schema
data <i>required</i>	Array of Transactions	< data > array
links <i>optional</i>		links
meta <i>required</i>		meta

data

Name	Description	Schema
AccountId <i>required</i>	A unique identifier used to identify the account resource Length : 1 - 35	string
AdditionalEntryInformation <i>optional</i>	Further details of the entry. Length : 1 - 500	string
AddressLine <i>optional</i>	Information that locates and identifies a specific address, as defined by postal services, that is presented in free format text. Length : 1 - 70	string

Name	Description	Schema
Amount <i>required</i>	Amount of money in the cash entry.	Amount
Balance <i>required</i>		Balance
BankTransactionCode <i>required</i>	Set of elements used to fully identify the type of underlying transaction resulting in an entry.	BankTransactionCode
BookingDate <i>optional</i>	Date and time when an entry is posted to an account on the account servicer's books. Usage: Booking date is the expected booking date, unless the status is booked, in which case it is the actual booking date.	BookingDate
CreditDebitIndicator <i>required</i>	Indicates whether the entry is a credit or a debit entry	enum (Credit, Debit)
EntryReference <i>optional</i>	Unique reference for the entry. Length : 1 - 35	string
MerchantDetails <i>optional</i>		MerchantDetails
Status <i>required</i>	Status of an entry on the books of the account servicer	enum (Booked, Pending, Information)
ValueDate <i>optional</i>	Date and time at which assets become available to the account owner in case of a credit entry, or cease to be available to the account owner in case of a debit entry. Usage: If entry status is pending and value date is present, then the value date refers to an expected/requested value date. For entries subject to availability/float and for which availability information is provided, the value date must not be used. In this case the availability component identifies the number of availability days.	ValueDate

Amount

Name	Description	Schema
Amount <i>required</i>	Pattern : " <code>^-?\d{1,13}\.\d{1,5}\$</code> "	string
Currency <i>required</i>	A code allocated to a currency by a Maintenance Agency under an international identification scheme, as described in the latest edition of the international standard ISO 4217 'Codes for the representation of currencies and funds' Pattern : " <code>^[A-Z]{3}\$</code> "	string

Balance

Name	Description	Schema
Amount <i>required</i>	Amount of money of the cash balance	Amount
CreditDebitIndicator <i>required</i>	Indicates whether the balance is a credit or a debit balance. Usage: A zero balance is considered to be a credit balance.	enum (Credit, Debit)
Type <i>required</i>	Balance type, in a coded form	enum (Interim, Booked)

Amount

Name	Description	Schema
Amount <i>required</i>	Pattern : "^-?\d{1,13}\.\d{1,5}\$"	string
Currency <i>required</i>	A code allocated to a currency by a Maintenance Agency under an international identification scheme, as described in the latest edition of the international standard ISO 4217 'Codes for the representation of currencies and funds' Pattern : "[A-Z]{3}\$"	string

BankTransactionCode

Name	Description	Schema
Family <i>optional</i>	Set of elements used to provide the domain, the family and the sub-family of the bank transaction code, in a structured and hierarchical format. Usage: If a specific family or sub-family code cannot be provided, the generic family code defined for the domain or the generic sub-family code defined for the family should be provided.	Family
Proprietary <i>optional</i>	Bank transaction code in a proprietary form, as defined by the issuer.	Proprietary

Family

Name	Description	Schema
Code <i>required</i>	Specifies the family within a domain. Type: ExternalBankTransactionFamily1Code	string
SubFamilyCode <i>required</i>	Specifies the sub-product family within a specific family. Type ExternalBankTransactionSubFamily1Code	string

Proprietary

Name	Description	Schema
Code <i>required</i>	Proprietary bank transaction code to identify the underlying transaction. Length : 1 - 35	string

Name	Description	Schema
Issuer <i>optional</i>	Identification of the issuer of the proprietary bank transaction code. Length : 1 - 35	string

BookingDate

Name	Description	Schema
Date <i>optional</i>	ISODate YYYY-MM-DD Pattern : "[0-9]{4}-(0[1-9] (1[0 1 2]))- 0[1-9] ((1 2)[0-9]) (30 31\$"	string
DateTime <i>optional</i>		string (date-time)

MerchantDetails

Name	Description	Schema
MerchantCategoryCode <i>optional</i>	Category code conform to ISO 18245, related to the type of services or goods the merchant provides for the transaction. Length : 3 - 4	string
Name <i>required</i>	Name by which the party is known and which is usually used to identify that party. Length : 1 - 350	string

ValueDate

Name	Description	Schema
Date <i>optional</i>	ISODate YYYY-MM-DD Pattern : "[0-9]{4}-(0[1-9] (1[0 1 2]))- 0[1-9] ((1 2)[0-9]) (30 31\$"	string
DateTime <i>optional</i>		string (date-time)

links

Name	Schema
first <i>optional</i>	string (uri)
last <i>optional</i>	string (uri)
next <i>optional</i>	string (uri)
prev <i>optional</i>	string (uri)
self <i>required</i>	string (uri)

meta

Name	Schema
TotalResults <i>optional</i>	integer

2.14.3. Consumes

- `application/json`

2.14.4. Produces

- `application/json`

2.14.5. Tags

- Transactions

2.14.6. Security

Type	Name	Scopes
oauth2	PSUOAuth2Security	accounts

3. Security

3.1. TPPOAuth2Security

TPP client credential authorisation flow with the ASPSP

Type : oauth2

Flow : application

Token URL : /token

Name	Description
tpp_client_credential	TPP Client Credential Scope

3.2. PSUOAuth2Security

OAuth flow, it is required when the PSU needs to perform SCA with the ASPSP when a TPP wants to access an ASPSP resource owned by the PSU

Type : oauth2

Flow : accessCode

Token URL : /authorization

Token URL : /token

Name	Description
payment	Generic payment scope
accounts	Generic Account scope