Account Information APIs

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1. Overview

Draft Swagger specification for Account Information APIs

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

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 *required*	< data > array
links *optional*	links
meta *required*	meta

data

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

Name	Description	Schema
Name *optional*	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 *optional*	UK Domestic Sort Code Identifier **Pattern** : `"^SC[0-9]{6,6}$"`	string

links

Name	Schema
first *optional*	string (uri)
last *optional*	string (uri)
next *optional*	string (uri)
prev *optional*	string (uri)
self *required*	string (uri)

meta

Name	Schema
TotalResults *optional*	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 *required*	Date time when the access to the account information will expire	string (date-time)
Permissions *required*		Permissions

Permissions

Name	Schema
Account *optional*	Account
Transactions *optional*	Transactions

Account

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

Name	Description	Schema
readProducts *optional*	Allow read access to product details for authorised accounts	boolean

Transactions

Name	Description	Schema
readAll *optional*	Allow read access on all transactions resources for one or more accounts	boolean
readCredits *optional*	Allow read access to credit transactions for one or more accounts	boolean
readDebits *optional*	Allow read access to debit transactions for one or more accounts	boolean
readDescriptions *optional*	Allow read access to transactions descriptions for one or more accounts	boolean
readFromDate *required*	Allow read access to all transactions starting from the specified date	string (date-time)
readToDate *required*	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 *required*	Unique identification as assigned by the ASPSP to uniquely identify the account request resource. **Length** : 1 - 35	string
CreatedAt *required*	Date and time at which the resource was created.	string (date-time)
ExpiresAt *required*	Date time when the access to the account information will expire	string (date-time)

Name	Description	Schema
Permissions *required*		[Permissions](#)
Status *required*		enum (AwaitingAuthorisation, Authorised, NotAuthorised, Expired)

Permissions

Name	Schema
Account *optional*	[Account](#)
Transactions *optional*	[Transactions](#)

Account

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

Transactions

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

Name	Description	Schema
readDescriptions *optional*	Allow read access to transactions descriptions for one or more accounts	boolean
readFromDate *required*	Allow read access to all transactions starting from the specified date	string (date-time)
readToDate *required*	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	**AccountReque stId** *required*	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
AccountReque stId *required*	Unique identification as assigned by the ASPSP to uniquely identify the account request resource. **Length** : 1 - 35	string
CreatedAt *required*	Date and time at which the resource was created.	string (date-time)
ExpiresAt *required*	Date time when the access to the account information will expire	string (date-time)
Permissions *required*		Permissions
Status *required*		enum (AwaitingAuthorisati on, Authorised, NotAuthorised, Expired)

Permissions

Name	Schema
Account *optional*	Account
Transactions *optional*	Transactions

Account

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

Transactions

Name	Description	Schema
readAll *optional*	Allow read access on all transactions resources for one or more accounts	boolean
readCredits *optional*	Allow read access to credit transactions for one or more accounts	boolean
readDebits *optional*	Allow read access to debit transactions for one or more accounts	boolean
readDescriptions *optional*	Allow read access to transactions descriptions for one or more accounts	boolean
readFromDate *required*	Allow read access to all transactions starting from the specified date	string (date-time)
readToDate *required*	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** *required*	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 *required*	A unique identifier used to identify the account resource **Length** : 1 - 35	string
Currency *optional*	Identification of the currency in which the account is held. **Pattern** : "^[A-Z]{3}$"	string
Identification *optional*	Unique and unambiguous identification for the account between the account owner and the account servicer. **Length** : 1 - 35	string
Name *optional*	Name of the account, as assigned by the account servicing institution, in agreement with the account owner in order to provide an additional means of identification of the account. **Length** : 1 - 70	string
UKBankSortCode *optional*	UK Domestic Sort Code Identifier **Pattern** : "^SC[0-9]{6,6}$"	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** *required*	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 *required*	Array of Balances	< data > array
links *optional*		links
meta *required*		meta

data

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

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

Amount

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

CreditLine

Name	Description	Schema
Amount *optional*	Active Or Historic Currency Code and Amount	Amount
Included *required*		boolean

Amount

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

Date

Name	Description	Schema
Date *optional*	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 *optional*		string (date-time)

links

Name	Schema
first *optional*	string (uri)
last *optional*	string (uri)
next *optional*	string (uri)
prev *optional*	string (uri)
self *required*	string (uri)

meta

Name	Schema
TotalResults *optional*	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** *required*	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 *required*	Array of Beneficiaries	< data > array
links *optional*		links
meta *required*		meta

data

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

Name	Description	Schema
Identification *optional*	Unique and unambiguous identification for the account between the account owner and the account servicer. **Length** : `1 - 35`	string
Name *optional*	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 *optional*	UK Domestic Sort Code Identifier **Pattern** : `"^SC[0-9]{6,6}$"`	string

links

Name	Schema
first *optional*	string (uri)
last *optional*	string (uri)
next *optional*	string (uri)
prev *optional*	string (uri)
self *required*	string (uri)

meta

Name	Schema
TotalResults *optional*	integer

2.6.4. Produces

- `application/json`

2.6.5. Tags

- Accounts

2.6.6. Security

Type	Name	Scopes
oauth2	**PSUOAuth2Security**	accounts

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** *required*	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 *required*	Array of Transactions	< data > array
links *optional*		links
meta *required*		meta

data

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

Name	Description	Schema
AdditionalEntryInformation *optional*	Further details of the entry. **Length** : `1 - 500`	string
AddressLine *optional*	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 *required*	Amount of money in the cash entry.	Amount
Balance *required*		Balance
BankTransactionCode *required*	Set of elements used to fully identify the type of underlying transaction resulting in an entry.	BankTransactionCode
BookingDate *optional*	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 *required*	Indicates whether the entry is a credit or a debit entry	enum (Credit, Debit)
EntryReference *optional*	Unique reference for the entry. **Length** : `1 - 35`	string
MerchantDetails *optional*		MerchantDetails
Status *required*	Status of an entry on the books of the account servicer	enum (Booked, Pending, Information)
ValueDate *optional*	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 *required*	**Pattern** : `"^-?\\d{1,13}\\.\\d{1,5}$"`	string

Name	Description	Schema
Currency *required*	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

Balance

Name	Description	Schema
Amount *required*	Amount of money of the cash balance	Amount
CreditDebitIndicator *required*	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 *required*	Balance type, in a coded form	enum (Interim, Booked)

Amount

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

BankTransactionCode

Name	Description	Schema
Family *optional*	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 *optional*	Bank transaction code in a proprietary form, as defined by the issuer.	Proprietary

Family

Name	Description	Schema
Code *required*	Specifies the family within a domain. Type: ExternalBankTransactionFamily1Code	string

Name	Description	Schema
SubFamilyCode *required*	Specifies the sub-product family within a specific family. Type ExternalBankTransactionSubFamily1Code	string

Proprietary

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

BookingDate

Name	Description	Schema
Date *optional*	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 *optional*		string (date-time)

MerchantDetails

Name	Description	Schema
MerchantCategoryCode *optional*	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 *required*	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 *optional*	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 *optional*		string (date-time)

links

Name	Schema
first *optional*	string (uri)
last *optional*	string (uri)
next *optional*	string (uri)
prev *optional*	string (uri)
self *required*	string (uri)

meta

Name	Schema
TotalResults *optional*	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 *required*	Array of Balances	< data > array
links *optional*		links
meta *required*		meta

data

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

Name	Description	Schema
Type *required*	Balance type, in a coded form.	enum (ClosingAvailable, ClosingBooked, ForwardAvailable, InterimAvailable, InterimBooked, OpeningAvailable, OpeningBooked, PreviouslyClosedBooked, Expected)

Amount

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

CreditLine

Name	Description	Schema
Amount *optional*	Active Or Historic Currency Code and Amount	Amount
Included *required*		boolean

Amount

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

Date

Name	Description	Schema
Date *optional*	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

Name	Description	Schema
DateTime *optional*		string (date-time)

links

Name	Schema
first *optional*	string (uri)
last *optional*	string (uri)
next *optional*	string (uri)
prev *optional*	string (uri)
self *required*	string (uri)

meta

Name	Schema
TotalResults *optional*	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 *required*	Array of Beneficiaries	< data > array
links *optional*		links
meta *required*		meta

data

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

Name	Description	Schema
Name *optional*	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 *optional*	UK Domestic Sort Code Identifier **Pattern** : `"^SC[0-9]{6,6}$"`	string

links

Name	Schema
first *optional*	string (uri)
last *optional*	string (uri)
next *optional*	string (uri)
prev *optional*	string (uri)
self *required*	string (uri)

meta

Name	Schema
TotalResults *optional*	integer

2.9.3. Produces

- `application/json`

2.9.4. Tags

- Beneficiaries

2.9.5. Security

Type	Name	Scopes
oauth2	**PSUOAuth2Security**	accounts

2.10. Get Transactions

```
GET /transactions
```

2.10.1. Description

Get Transactions

2.10.2. 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 *required*	Array of Transactions	< data > array
links *optional*		links
meta *required*		meta

data

Name	Description	Schema
AccountId *required*	A unique identifier used to identify the account resource **Length** : 1 - 35	string
AdditionalEntryInformation *optional*	Further details of the entry. **Length** : 1 - 500	string
AddressLine *optional*	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 *required*	Amount of money in the cash entry.	Amount
Balance *required*		Balance
BankTransacti onCode *required*	Set of elements used to fully identify the type of underlying transaction resulting in an entry.	BankTransactionCode
BookingDate *optional*	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
CreditDebitIn dicator *required*	Indicates whether the entry is a credit or a debit entry	enum (Credit, Debit)
EntryReferenc e *optional*	Unique reference for the entry. **Length** : `1 - 35`	string
MerchantDeta ils *optional*		MerchantDetails
Status *required*	Status of an entry on the books of the account servicer	enum (Booked, Pending, Information)
ValueDate *optional*	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 *required*	**Pattern** : `"^-?\\d{1,13}\\.\\d{1,5}$"`	string
Currency *required*	A code allocated to a currency by a Maintenance Agency under an international identification scheme, as described in the latest edition of the international standard ISO 4217 'Codes for the representation of currencies and funds' **Pattern** : `"^[A-Z]{3}$"`	string

Balance

Name	Description	Schema
Amount *required*	Amount of money of the cash balance	Amount
CreditDebitIndicator *required*	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 *required*	Balance type, in a coded form	enum (Interim, Booked)

Amount

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

BankTransactionCode

Name	Description	Schema
Family *optional*	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 *optional*	Bank transaction code in a proprietary form, as defined by the issuer.	Proprietary

Family

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

Proprietary

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

Name	Description	Schema
Issuer *optional*	Identification of the issuer of the proprietary bank transaction code. **Length** : `1 - 35`	string

BookingDate

Name	Description	Schema
Date *optional*	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 *optional*		string (date-time)

MerchantDetails

Name	Description	Schema
MerchantCategoryCode *optional*	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 *required*	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 *optional*	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 *optional*		string (date-time)

links

Name	Schema
first *optional*	string (uri)
last *optional*	string (uri)
next *optional*	string (uri)
prev *optional*	string (uri)
self *required*	string (uri)

meta

Name	Schema
TotalResults *optional*	integer

2.10.3. Consumes

- `application/json`

2.10.4. Produces

- `application/json`

2.10.5. Tags

- Transactions

2.10.6. 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
accounts	Generic Account scope