

Account and Transaction API Specification

Table of Contents

1. Overview	1
1.1. Version information	1
1.2. Contact information	1
1.3. License information	1
1.4. URI scheme	1
1.5. Produces	1
2. Paths	1
2.1. Create an account request	2
2.1.1. Description	2
2.1.2. Parameters	2
2.1.3. Body parameter	2
2.1.4. Responses	3
2.1.5. Consumes	6
2.1.6. Produces	6
2.1.7. Security	6
2.2. Get an account request	7
2.2.1. Description	7
2.2.2. Parameters	7
2.2.3. Responses	7
2.2.4. Produces	10
2.2.5. Security	10
2.3. Delete an account request	11
2.3.1. Description	11
2.3.2. Parameters	11
2.3.3. Responses	11
2.3.4. Produces	11
2.3.5. Security	12
2.4. Get Accounts	13
2.4.1. Description	13
2.4.2. Parameters	13
2.4.3. Responses	13
2.4.4. Produces	16
2.4.5. Security	16
2.5. Get Account	17
2.5.1. Description	17
2.5.2. Parameters	17
2.5.3. Responses	17
2.5.4. Produces	20

2.5.5. Security	20
2.6. Get Account Balances	21
2.6.1. Description	21
2.6.2. Parameters	21
2.6.3. Responses	21
2.6.4. Produces	24
2.6.5. Security	24
2.7. Get Account Beneficiaries	25
2.7.1. Description	25
2.7.2. Parameters	25
2.7.3. Responses	25
2.7.4. Produces	28
2.7.5. Security	28
2.8. Get Account Direct Debits	29
2.8.1. Description	29
2.8.2. Parameters	29
2.8.3. Responses	29
2.8.4. Produces	32
2.8.5. Security	32
2.9. Get Account Product	33
2.9.1. Description	33
2.9.2. Parameters	33
2.9.3. Responses	33
2.9.4. Produces	35
2.9.5. Security	35
2.10. Get Account Standing Orders	36
2.10.1. Description	36
2.10.2. Parameters	36
2.10.3. Responses	36
2.10.4. Produces	41
2.10.5. Security	41
2.11. Get Account Transactions	42
2.11.1. Description	42
2.11.2. Parameters	42
2.11.3. Responses	42
2.11.4. Produces	47
2.11.5. Security	47
2.12. Get Balances	48
2.12.1. Description	48
2.12.2. Parameters	48
2.12.3. Responses	48

2.12.4. Produces	51
2.12.5. Security	51
2.13. Get Beneficiaries	52
2.13.1. Description	52
2.13.2. Parameters	52
2.13.3. Responses	52
2.13.4. Produces	55
2.13.5. Security	55
2.14. Get Direct Debits	56
2.14.1. Description	56
2.14.2. Parameters	56
2.14.3. Responses	56
2.14.4. Produces	59
2.14.5. Security	59
2.15. Get Products	60
2.15.1. Description	60
2.15.2. Parameters	60
2.15.3. Responses	60
2.15.4. Produces	62
2.15.5. Security	62
2.16. Get Standing Orders	63
2.16.1. Description	63
2.16.2. Parameters	63
2.16.3. Responses	63
2.16.4. Produces	68
2.16.5. Security	68
2.17. Get Transactions	69
2.17.1. Description	69
2.17.2. Parameters	69
2.17.3. Responses	69
2.17.4. Produces	74
2.17.5. Security	74
3. Security	74
3.1. TPPOAuth2Security	74
3.2. PSUOAuth2Security	74

1. Overview

Swagger for Account and Transaction API Specification

1.1. Version information

Version : v1.1.0

1.2. Contact information

Contact : Service Desk

Contact Email : ServiceDesk@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/v1.1

Schemes : HTTPS

1.5. Produces

- `application/json; charset=utf-8`

2. Paths

2.1. Create an account request

POST /account-requests

2.1.1. Description

Create an account request

2.1.2. Parameters

Type	Name	Description	Schema
Header	Authorization <i>required</i>	An Authorisation Token as per https://tools.ietf.org/html/rfc6750	string
Header	x-fapi-customer-ip-address <i>optional</i>	The PSU's IP address if the PSU is currently logged in with the TPP.	string
Header	x-fapi-customer-last-logged-time <i>optional</i>	The time when the PSU last logged in with the TPP. All dates in the HTTP headers are represented as RFC 7231 Full Dates. An example is below: Sun, 10 Sep 2017 19:43:31 UTC	string
Header	x-fapi-financial-id <i>required</i>	The unique id of the ASPSP to which the request is issued. The unique id will be issued by OB.	string
Header	x-fapi-interaction-id <i>optional</i>	An RFC4122 UID used as a correlation id.	string
Header	x-jws-signature <i>required</i>	Header containing a detached JWS signature of the body of the payload.	string

2.1.3. Body parameter

Create an Account Request

Name : body

Flags : required

Name	Description	Schema
Data <i>required</i>	Allows setup of an account access request	Data
Risk <i>required</i>	The Risk payload is sent by the initiating party to the ASPSP. It is used to specify additional details for risk scoring for Account Info.	object

Data

Name	Description	Schema
ExpirationDateTime <i>optional</i>	Specified date and time the permissions will expire. If this is not populated, the permissions will be open ended. All dates in the JSON payloads are represented in ISO 8601 date-time format. All date-time fields in responses must include the timezone. An example is below: 2017-04-05T10:43:07+00:00	string (date-time)
Permissions <i>required</i>	Specifies the Open Banking account request types. This is a list of the data clusters being consented by the PSU, and requested for authorisation with the ASPSP.	< enum (ReadAccountsBasic, ReadAccountsDetail, ReadBalances, ReadBeneficiariesBasic, ReadBeneficiariesDetail, ReadDirectDebits, ReadProducts, ReadStandingOrdersBasic, ReadStandingOrdersDetail, ReadTransactionsBasic, ReadTransactionsCredits, ReadTransactionsDebits, ReadTransactionsDetail) > array
TransactionFromDateTime <i>optional</i>	Specified start date and time for the transaction query period. If this is not populated, the start date will be open ended, and data will be returned from the earliest available transaction. All dates in the JSON payloads are represented in ISO 8601 date-time format. All date-time fields in responses must include the timezone. An example is below: 2017-04-05T10:43:07+00:00	string (date-time)
TransactionToDateTime <i>optional</i>	Specified end date and time for the transaction query period. If this is not populated, the end date will be open ended, and data will be returned to the latest available transaction. All dates in the JSON payloads are represented in ISO 8601 date-time format. All date-time fields in responses must include the timezone. An example is below: 2017-04-05T10:43:07+00:00	string (date-time)

2.1.4. Responses

HTTP Code	Description	Schema
201	Account Request resource successfully created Headers : x-jws-signature (string) : Header containing a detached JWS signature of the body of the payload. x-fapi-interaction-id (string) : An RFC4122 UID used as a correlation id.	Account Request POST response
400	Bad Request	No Content
401	Unauthorized	No Content
403	Forbidden	No Content
405	Method Not Allowed	No Content
406	Not Acceptable	No Content
429	Too Many Requests Headers : Retry-After (integer) : Number in seconds to wait.	No Content
500	Internal Server Error	No Content

Account Request POST response

Name	Description	Schema
Data required	Account Request Response	Data
Links required	Links relevant to the payload	Links
Meta required	Meta Data relevant to the payload	MetaData
Risk required	The Risk payload is sent by the initiating party to the ASPSP. It is used to specify additional details for risk scoring for Account Info.	object

Data

Name	Description	Schema
AccountRequestId required	Unique identification as assigned to identify the account request resource. Length : 1 - 128	string
CreationDateTime required	Date and time at which the resource was created. All dates in the JSON payloads are represented in ISO 8601 date-time format. All date-time fields in responses must include the timezone. An example is below: 2017-04-05T10:43:07+00:00	string (date-time)

Name	Description	Schema
ExpirationDateTime <i>optional</i>	Specified date and time the permissions will expire. If this is not populated, the permissions will be open ended. All dates in the JSON payloads are represented in ISO 8601 date-time format. All date-time fields in responses must include the timezone. An example is below: 2017-04-05T10:43:07+00:00	string (date-time)
Permissions <i>required</i>	Specifies the Open Banking account request types. This is a list of the data clusters being consented by the PSU, and requested for authorisation with the ASPSP.	< enum (ReadAccountsBasic, ReadAccountsDetail, ReadBalances, ReadBeneficiariesBasic, ReadBeneficiariesDetail, ReadDirectDebits, ReadProducts, ReadStandingOrdersBasic, ReadStandingOrdersDetail, ReadTransactionsBasic, ReadTransactionsCredits, ReadTransactionsDebits, ReadTransactionsDetail) > array
Status <i>optional</i>	Specifies the status of the account request resource.	enum (Authorised, AwaitingAuthorisation, Rejected, Revoked)
TransactionFromDateTime <i>optional</i>	Specified start date and time for the transaction query period. If this is not populated, the start date will be open ended, and data will be returned from the earliest available transaction. All dates in the JSON payloads are represented in ISO 8601 date-time format. All date-time fields in responses must include the timezone. An example is below: 2017-04-05T10:43:07+00:00	string (date-time)
TransactionToDateTime <i>optional</i>	Specified end date and time for the transaction query period. If this is not populated, the end date will be open ended, and data will be returned to the latest available transaction. All dates in the JSON payloads are represented in ISO 8601 date-time format. All date-time fields in responses must include the timezone. An example is below: 2017-04-05T10:43:07+00:00	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)

MetaData

Name	Description	Schema
FirstAvailableDateTime <i>optional</i>	All dates in the JSON payloads are represented in ISO 8601 date-time format. All date-time fields in responses must include the timezone. An example is below: 2017-04-05T10:43:07+00:00	string (date-time)
LastAvailableDateTime <i>optional</i>	All dates in the JSON payloads are represented in ISO 8601 date-time format. All date-time fields in responses must include the timezone. An example is below: 2017-04-05T10:43:07+00:00	string (date-time)
TotalPages <i>optional</i>		integer (int32)

2.1.5. Consumes

- `application/json; charset=utf-8`

2.1.6. Produces

- `application/json; charset=utf-8`

2.1.7. Security

Type	Name	Scopes
oauth2	TPPOAuth2Security	tpp_client_credential

2.2. Get an account request

GET /account-requests/{AccountRequestId}

2.2.1. Description

Get an account request

2.2.2. Parameters

Type	Name	Description	Schema
Header	Authorization <i>required</i>	An Authorisation Token as per https://tools.ietf.org/html/rfc6750	string
Header	x-fapi-customer-ip-address <i>optional</i>	The PSU's IP address if the PSU is currently logged in with the TPP.	string
Header	x-fapi-customer-last-logged-time <i>optional</i>	The time when the PSU last logged in with the TPP. All dates in the HTTP headers are represented as RFC 7231 Full Dates. An example is below: Sun, 10 Sep 2017 19:43:31 UTC	string
Header	x-fapi-financial-id <i>required</i>	The unique id of the ASPSP to which the request is issued. The unique id will be issued by OB.	string
Header	x-fapi-interaction-id <i>optional</i>	An RFC4122 UID used as a correlation id.	string
Path	AccountRequestId <i>required</i>	Unique identification as assigned by the ASPSP to uniquely identify the account request resource.	string

2.2.3. Responses

HTTP Code	Description	Schema
200	Account Request resource successfully retrieved Headers : x-jws-signature (string) : Header containing a detached JWS signature of the body of the payload. x-fapi-interaction-id (string) : An RFC4122 UID used as a correlation id.	Account Request GET response
400	Bad Request	No Content
401	Unauthorized	No Content
403	Forbidden	No Content

HTTP Code	Description	Schema
405	Method Not Allowed	No Content
406	Not Acceptable	No Content
429	Too Many Requests Headers : Retry-After (integer) : Number in seconds to wait.	No Content
500	Internal Server Error	No Content

Account Request GET response

Name	Description	Schema
Data required	Account Request Response	Data
Links required	Links relevant to the payload	Links
Meta required	Meta Data relevant to the payload	MetaData
Risk required	The Risk payload is sent by the initiating party to the ASPSP. It is used to specify additional details for risk scoring for Account Info.	object

Data

Name	Description	Schema
AccountRequestId required	Unique identification as assigned to identify the account request resource. Length : 1 - 128	string
CreationDateTime required	Date and time at which the resource was created. All dates in the JSON payloads are represented in ISO 8601 date-time format. All date-time fields in responses must include the timezone. An example is below: 2017-04-05T10:43:07+00:00	string (date-time)
ExpirationDateTime optional	Specified date and time the permissions will expire. If this is not populated, the permissions will be open ended. All dates in the JSON payloads are represented in ISO 8601 date-time format. All date-time fields in responses must include the timezone. An example is below: 2017-04-05T10:43:07+00:00	string (date-time)

Name	Description	Schema
Permissions required	Specifies the Open Banking account request types. This is a list of the data clusters being consented by the PSU, and requested for authorisation with the ASPSP.	< enum (ReadAccountsBasic, ReadAccountsDetail, ReadBalances, ReadBeneficiariesBasic, ReadBeneficiariesDetail, ReadDirectDebits, ReadProducts, ReadStandingOrdersBasic, ReadStandingOrdersDetail, ReadTransactionsBasic, ReadTransactionsCredits, ReadTransactionsDebits, ReadTransactionsDetail) > array
Status optional	Specifies the status of the account request resource.	enum (Authorised, AwaitingAuthorisation, Rejected, Revoked)
TransactionFromDateTime optional	Specified start date and time for the transaction query period. If this is not populated, the start date will be open ended, and data will be returned from the earliest available transaction. All dates in the JSON payloads are represented in ISO 8601 date-time format. All date-time fields in responses must include the timezone. An example is below: 2017-04-05T10:43:07+00:00	string (date-time)
TransactionToDateTime optional	Specified end date and time for the transaction query period. If this is not populated, the end date will be open ended, and data will be returned to the latest available transaction. All dates in the JSON payloads are represented in ISO 8601 date-time format. All date-time fields in responses must include the timezone. An example is below: 2017-04-05T10:43:07+00:00	string (date-time)

Links

Name	Schema
First optional	string (uri)
Last optional	string (uri)

Name	Schema
Next <i>optional</i>	string (uri)
Prev <i>optional</i>	string (uri)
Self <i>required</i>	string (uri)

MetaData

Name	Description	Schema
FirstAvailableDateTime <i>optional</i>	All dates in the JSON payloads are represented in ISO 8601 date-time format. All date-time fields in responses must include the timezone. An example is below: 2017-04-05T10:43:07+00:00	string (date-time)
LastAvailableDateTime <i>optional</i>	All dates in the JSON payloads are represented in ISO 8601 date-time format. All date-time fields in responses must include the timezone. An example is below: 2017-04-05T10:43:07+00:00	string (date-time)
TotalPages <i>optional</i>		integer (int32)

2.2.4. Produces

- `application/json; charset=utf-8`

2.2.5. Security

Type	Name	Scopes
oauth2	TPPOAuth2Security	tpp_client_credential

2.3. Delete an account request

```
DELETE /account-requests/{AccountRequestId}
```

2.3.1. Description

Delete an account request

2.3.2. Parameters

Type	Name	Description	Schema
Header	Authorization <i>required</i>	An Authorisation Token as per https://tools.ietf.org/html/rfc6750	string
Header	x-fapi-financial-id <i>required</i>	The unique id of the ASPSP to which the request is issued. The unique id will be issued by OB.	string
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
204	Account Request resource successfully deleted Headers : x-fapi-interaction-id (string) : An RFC4122 UID used as a correlation id.	No Content
400	Bad Request	No Content
401	Unauthorized	No Content
403	Forbidden	No Content
405	Method Not Allowed	No Content
406	Not Acceptable	No Content
429	Too Many Requests Headers : Retry-After (integer) : Number in seconds to wait.	No Content
500	Internal Server Error	No Content

2.3.4. Produces

- `application/json; charset=utf-8`

2.3.5. Security

Type	Name	Scopes
oauth2	TPPOAuth2Security	tpp_client_credential

2.4. Get Accounts

GET /accounts

2.4.1. Description

Get a list of accounts

2.4.2. Parameters

Type	Name	Description	Schema
Header	Authorization <i>required</i>	An Authorisation Token as per https://tools.ietf.org/html/rfc6750	string
Header	x-fapi-customer-ip-address <i>optional</i>	The PSU's IP address if the PSU is currently logged in with the TPP.	string
Header	x-fapi-customer-last-logged-time <i>optional</i>	The time when the PSU last logged in with the TPP. All dates in the HTTP headers are represented as RFC 7231 Full Dates. An example is below: Sun, 10 Sep 2017 19:43:31 UTC	string
Header	x-fapi-financial-id <i>required</i>	The unique id of the ASPSP to which the request is issued. The unique id will be issued by OB.	string
Header	x-fapi-interaction-id <i>optional</i>	An RFC4122 UID used as a correlation id.	string

2.4.3. Responses

HTTP Code	Description	Schema
200	Accounts successfully retrieved Headers : x-jws-signature (string) : Header containing a detached JWS signature of the body of the payload. x-fapi-interaction-id (string) : An RFC4122 UID used as a correlation id.	Account GET response
400	Bad Request	No Content
401	Unauthorized	No Content
403	Forbidden	No Content
405	Method Not Allowed	No Content
406	Not Acceptable	No Content

HTTP Code	Description	Schema
429	Too Many Requests Headers : Retry-After (integer) : Number in seconds to wait.	No Content
500	Internal Server Error	No Content

Account GET response

Name	Description	Schema
Data required	Data	Data
Links required	Links relevant to the payload	Links
Meta required	Meta Data relevant to the payload	MetaData

Data

Name	Description	Schema
Account optional	Account	< Account > array

Account

Name	Description	Schema
Account optional	Provides the details to identify an account.	Account
AccountId required	A unique and immutable identifier used to identify the account resource. This identifier has no meaning to the account owner. Length : 1 - 40	string
Currency required	Identification of the currency in which the account is held. Usage: Currency should only be used in case one and the same account number covers several currencies and the initiating party needs to identify which currency needs to be used for settlement on the account. Pattern : "[A-Z]{3,3}\$"	string
Nickname optional	The nickname of the account, assigned by the account owner in order to provide an additional means of identification of the account. Length : 1 - 70	string
Servicer optional	Party that manages the account on behalf of the account owner, that is manages the registration and booking of entries on the account, calculates balances on the account and provides information about the account.	Servicer

Account

Name	Description	Schema
Identification <i>required</i>	Identification assigned by an institution to identify an account. This identification is known by the account owner. Length : 1 - 34	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
SchemeName <i>required</i>	Name of the identification scheme, in a coded form as published in an external list.	enum (IBAN, SortCodeAccountNumber)
SecondaryIdentification <i>optional</i>	This is secondary identification of the account, as assigned by the account servicing institution. This can be used by building societies to additionally identify accounts with a roll number (in addition to a sort code and account number combination). Length : 1 - 34	string

Servicer

Name	Description	Schema
Identification <i>required</i>	Unique and unambiguous identification of the servicing institution. Length : 1 - 35	string
SchemeName <i>required</i>	Name of the identification scheme, in a coded form as published in an external list.	enum (BICFI)

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)

MetaData

Name	Description	Schema
FirstAvailableDateTime <i>optional</i>	All dates in the JSON payloads are represented in ISO 8601 date-time format. All date-time fields in responses must include the timezone. An example is below: 2017-04-05T10:43:07+00:00	string (date-time)
LastAvailableDateTime <i>optional</i>	All dates in the JSON payloads are represented in ISO 8601 date-time format. All date-time fields in responses must include the timezone. An example is below: 2017-04-05T10:43:07+00:00	string (date-time)
TotalPages <i>optional</i>		integer (int32)

2.4.4. Produces

- `application/json; charset=utf-8`

2.4.5. Security

Type	Name	Scopes
oauth2	PSUOAuth2Security	accounts

2.5. Get Account

GET /accounts/{AccountId}

2.5.1. Description

Get an account

2.5.2. Parameters

Type	Name	Description	Schema
Header	Authorization <i>required</i>	An Authorisation Token as per https://tools.ietf.org/html/rfc6750	string
Header	x-fapi-customer-ip-address <i>optional</i>	The PSU's IP address if the PSU is currently logged in with the TPP.	string
Header	x-fapi-customer-last-logged-time <i>optional</i>	The time when the PSU last logged in with the TPP. All dates in the HTTP headers are represented as RFC 7231 Full Dates. An example is below: Sun, 10 Sep 2017 19:43:31 UTC	string
Header	x-fapi-financial-id <i>required</i>	The unique id of the ASPSP to which the request is issued. The unique id will be issued by OB.	string
Header	x-fapi-interaction-id <i>optional</i>	An RFC4122 UID used as a correlation id.	string
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 resource successfully retrieved Headers : x-jws-signature (string) : Header containing a detached JWS signature of the body of the payload. x-fapi-interaction-id (string) : An RFC4122 UID used as a correlation id.	Account GET response
400	Bad Request	No Content
401	Unauthorized	No Content
403	Forbidden	No Content
405	Method Not Allowed	No Content

HTTP Code	Description	Schema
406	Not Acceptable	No Content
429	Too Many Requests Headers : Retry-After (integer) : Number in seconds to wait.	No Content
500	Internal Server Error	No Content

Account GET response

Name	Description	Schema
Data required	Data	Data
Links required	Links relevant to the payload	Links
Meta required	Meta Data relevant to the payload	MetaData

Data

Name	Description	Schema
Account optional	Account	< Account > array

Account

Name	Description	Schema
Account optional	Provides the details to identify an account.	Account
AccountId required	A unique and immutable identifier used to identify the account resource. This identifier has no meaning to the account owner. Length : 1 - 40	string
Currency required	Identification of the currency in which the account is held. Usage: Currency should only be used in case one and the same account number covers several currencies and the initiating party needs to identify which currency needs to be used for settlement on the account. Pattern : "[A-Z]{3,3}\$"	string
Nickname optional	The nickname of the account, assigned by the account owner in order to provide an additional means of identification of the account. Length : 1 - 70	string

Name	Description	Schema
Servicer <i>optional</i>	Party that manages the account on behalf of the account owner, that is manages the registration and booking of entries on the account, calculates balances on the account and provides information about the account.	Servicer

Account

Name	Description	Schema
Identification <i>required</i>	Identification assigned by an institution to identify an account. This identification is known by the account owner. Length : 1 - 34	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
SchemeName <i>required</i>	Name of the identification scheme, in a coded form as published in an external list.	enum (IBAN, SortCodeAccountNumber)
SecondaryIdentification <i>optional</i>	This is secondary identification of the account, as assigned by the account servicing institution. This can be used by building societies to additionally identify accounts with a roll number (in addition to a sort code and account number combination). Length : 1 - 34	string

Servicer

Name	Description	Schema
Identification <i>required</i>	Unique and unambiguous identification of the servicing institution. Length : 1 - 35	string
SchemeName <i>required</i>	Name of the identification scheme, in a coded form as published in an external list.	enum (BICFI)

Links

Name	Schema
First <i>optional</i>	string (uri)
Last <i>optional</i>	string (uri)

Name	Schema
Next <i>optional</i>	string (uri)
Prev <i>optional</i>	string (uri)
Self <i>required</i>	string (uri)

MetaData

Name	Description	Schema
FirstAvailableDateTime <i>optional</i>	All dates in the JSON payloads are represented in ISO 8601 date-time format. All date-time fields in responses must include the timezone. An example is below: 2017-04-05T10:43:07+00:00	string (date-time)
LastAvailableDateTime <i>optional</i>	All dates in the JSON payloads are represented in ISO 8601 date-time format. All date-time fields in responses must include the timezone. An example is below: 2017-04-05T10:43:07+00:00	string (date-time)
TotalPages <i>optional</i>		integer (int32)

2.5.4. Produces

- `application/json; charset=utf-8`

2.5.5. Security

Type	Name	Scopes
oauth2	PSUOAuth2Security	accounts

2.6. Get Account Balances

GET /accounts/{AccountId}/balances

2.6.1. Description

Get Balances related to an account

2.6.2. Parameters

Type	Name	Description	Schema
Header	Authorization <i>required</i>	An Authorisation Token as per https://tools.ietf.org/html/rfc6750	string
Header	x-fapi-customer-ip-address <i>optional</i>	The PSU's IP address if the PSU is currently logged in with the TPP.	string
Header	x-fapi-customer-last-logged-time <i>optional</i>	The time when the PSU last logged in with the TPP. All dates in the HTTP headers are represented as RFC 7231 Full Dates. An example is below: Sun, 10 Sep 2017 19:43:31 UTC	string
Header	x-fapi-financial-id <i>required</i>	The unique id of the ASPSP to which the request is issued. The unique id will be issued by OB.	string
Header	x-fapi-interaction-id <i>optional</i>	An RFC4122 UID used as a correlation id.	string
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 Headers : x-jws-signature (string) : Header containing a detached JWS signature of the body of the payload. x-fapi-interaction-id (string) : An RFC4122 UID used as a correlation id.	Balances GET response
400	Bad Request	No Content
401	Unauthorized	No Content
403	Forbidden	No Content
405	Method Not Allowed	No Content

HTTP Code	Description	Schema
406	Not Acceptable	No Content
429	Too Many Requests Headers : Retry-After (integer) : Number in seconds to wait.	No Content
500	Internal Server Error	No Content

Balances GET response

Name	Description	Schema
Data required	Data	Data
Links required	Links relevant to the payload	Links
Meta required	Meta Data relevant to the payload	MetaData

Data

Name	Description	Schema
Balance optional	Balance	< Balance > array

Balance

Name	Description	Schema
AccountId required	A unique and immutable identifier used to identify the account resource. This identifier has no meaning to the account owner. Length : 1 - 40	string
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)
CreditLine optional		< CreditLine > array
DateTime required	Indicates the date (and time) of the balance. All dates in the JSON payloads are represented in ISO 8601 date-time format. All date-time fields in responses must include the timezone. An example is below: 2017-04-05T10:43:07+00:00	string (date-time)

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

Amount

Name	Description	Schema
Amount required	Pattern : " <code>^\d{1,13}\.\d{1,5}\$</code> "	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 : " <code>^[A-Z]{3,3}\$</code> "	string

CreditLine

Name	Description	Schema
Amount optional	Active Or Historic Currency Code and Amount	Amount
Included required	Indicates whether or not the credit line is included in the balance of the account. Usage: If not present, credit line is not included in the balance amount of the account.	boolean
Type optional	Limit type, in a coded form.	enum (Pre-Agreed, Emergency, Temporary)

Amount

Name	Description	Schema
Amount required	Pattern : " <code>^\d{1,13}\.\d{1,5}\$</code> "	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 : " <code>^[A-Z]{3,3}\$</code> "	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)

MetaData

Name	Description	Schema
FirstAvailableDateTime <i>optional</i>	All dates in the JSON payloads are represented in ISO 8601 date-time format. All date-time fields in responses must include the timezone. An example is below: 2017-04-05T10:43:07+00:00	string (date-time)
LastAvailableDateTime <i>optional</i>	All dates in the JSON payloads are represented in ISO 8601 date-time format. All date-time fields in responses must include the timezone. An example is below: 2017-04-05T10:43:07+00:00	string (date-time)
TotalPages <i>optional</i>		integer (int32)

2.6.4. Produces

- `application/json; charset=utf-8`

2.6.5. Security

Type	Name	Scopes
oauth2	PSUOAuth2Security	accounts

2.7. Get Account Beneficiaries

```
GET /accounts/{AccountId}/beneficiaries
```

2.7.1. Description

Get Beneficiaries related to an account

2.7.2. Parameters

Type	Name	Description	Schema
Header	Authorization <i>required</i>	An Authorisation Token as per https://tools.ietf.org/html/rfc6750	string
Header	x-fapi-customer-ip-address <i>optional</i>	The PSU's IP address if the PSU is currently logged in with the TPP.	string
Header	x-fapi-customer-last-logged-time <i>optional</i>	The time when the PSU last logged in with the TPP. All dates in the HTTP headers are represented as RFC 7231 Full Dates. An example is below: Sun, 10 Sep 2017 19:43:31 UTC	string
Header	x-fapi-financial-id <i>required</i>	The unique id of the ASPSP to which the request is issued. The unique id will be issued by OB.	string
Header	x-fapi-interaction-id <i>optional</i>	An RFC4122 UID used as a correlation id.	string
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 Beneficiaries successfully retrieved Headers : x-jws-signature (string) : Header containing a detached JWS signature of the body of the payload. x-fapi-interaction-id (string) : An RFC4122 UID used as a correlation id.	Beneficiaries GET response
400	Bad Request	No Content
401	Unauthorized	No Content
403	Forbidden	No Content
405	Method Not Allowed	No Content

HTTP Code	Description	Schema
406	Not Acceptable	No Content
429	Too Many Requests Headers : Retry-After (integer) : Number in seconds to wait.	No Content
500	Internal Server Error	No Content

Beneficiaries GET response

Name	Description	Schema
Data required	Data	Data
Links required	Links relevant to the payload	Links
Meta required	Meta Data relevant to the payload	MetaData

Data

Name	Description	Schema
Beneficiary optional	Beneficiary	< Beneficiary > array

Beneficiary

Name	Description	Schema
AccountId optional	A unique and immutable identifier used to identify the account resource. This identifier has no meaning to the account owner. Length : 1 - 40	string
BeneficiaryId optional	A unique and immutable identifier used to identify the beneficiary resource. This identifier has no meaning to the account owner. Length : 1 - 40	string
CreditorAccount optional	Provides the details to identify the beneficiary account.	CreditorAccount

Name	Description	Schema
Reference <i>optional</i>	<p>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.</p> <p>Length : 1 - 35</p>	string
Servicer <i>optional</i>	<p>Party that manages the account on behalf of the account owner, that is manages the registration and booking of entries on the account, calculates balances on the account and provides information about the account. This is the servicer of the beneficiary account.</p>	Servicer

CreditorAccount

Name	Description	Schema
Identification <i>required</i>	<p>Identification assigned by an institution to identify an account. This identification is known by the account owner.</p> <p>Length : 1 - 34</p>	string
Name <i>optional</i>	<p>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.</p> <p>Length : 1 - 70</p>	string
SchemeName <i>required</i>	<p>Name of the identification scheme, in a coded form as published in an external list.</p>	enum (IBAN, SortCodeAccountNumber)
SecondaryIdentification <i>optional</i>	<p>This is secondary identification of the account, as assigned by the account servicing institution. This can be used by building societies to additionally identify accounts with a roll number (in addition to a sort code and account number combination).</p> <p>Length : 1 - 34</p>	string

Servicer

Name	Description	Schema
Identification <i>required</i>	Unique and unambiguous identification of the servicing institution. Length : 1 - 35	string
SchemeName <i>required</i>	Name of the identification scheme, in a coded form as published in an external list.	enum (BICFI)

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)

MetaData

Name	Description	Schema
FirstAvailableDateTime <i>optional</i>	All dates in the JSON payloads are represented in ISO 8601 date-time format. All date-time fields in responses must include the timezone. An example is below: 2017-04-05T10:43:07+00:00	string (date-time)
LastAvailableDateTime <i>optional</i>	All dates in the JSON payloads are represented in ISO 8601 date-time format. All date-time fields in responses must include the timezone. An example is below: 2017-04-05T10:43:07+00:00	string (date-time)
TotalPages <i>optional</i>		integer (int32)

2.7.4. Produces

- `application/json; charset=utf-8`

2.7.5. Security

Type	Name	Scopes
oauth2	PSUOAuth2Security	accounts

2.8. Get Account Direct Debits

```
GET /accounts/{AccountId}/direct-debits
```

2.8.1. Description

Get Direct Debits related to an account

2.8.2. Parameters

Type	Name	Description	Schema
Header	Authorization <i>required</i>	An Authorisation Token as per https://tools.ietf.org/html/rfc6750	string
Header	x-fapi-customer-ip-address <i>optional</i>	The PSU's IP address if the PSU is currently logged in with the TPP.	string
Header	x-fapi-customer-last-logged-time <i>optional</i>	The time when the PSU last logged in with the TPP. All dates in the HTTP headers are represented as RFC 7231 Full Dates. An example is below: Sun, 10 Sep 2017 19:43:31 UTC	string
Header	x-fapi-financial-id <i>required</i>	The unique id of the ASPSP to which the request is issued. The unique id will be issued by OB.	string
Header	x-fapi-interaction-id <i>optional</i>	An RFC4122 UID used as a correlation id.	string
Path	AccountId <i>required</i>	A unique identifier used to identify the account resource.	string

2.8.3. Responses

HTTP Code	Description	Schema
200	Account Direct Debits successfully retrieved Headers : x-jws-signature (string) : Header containing a detached JWS signature of the body of the payload. x-fapi-interaction-id (string) : An RFC4122 UID used as a correlation id.	Account GET response
400	Bad Request	No Content
401	Unauthorized	No Content
403	Forbidden	No Content
405	Method Not Allowed	No Content

HTTP Code	Description	Schema
406	Not Acceptable	No Content
429	Too Many Requests Headers : Retry-After (integer) : Number in seconds to wait.	No Content
500	Internal Server Error	No Content

Account GET response

Name	Description	Schema
Data required	Data	Data
Links required	Links relevant to the payload	Links
Meta required	Meta Data relevant to the payload	MetaData

Data

Name	Description	Schema
DirectDebit optional	DirectDebit	< DirectDebit > array

DirectDebit

Name	Description	Schema
AccountId required	A unique and immutable identifier used to identify the account resource. This identifier has no meaning to the account owner. Length : 1 - 40	string
DirectDebitId optional	A unique and immutable identifier used to identify the direct debit resource. This identifier has no meaning to the account owner. Length : 1 - 40	string
DirectDebitStatusCode optional	Specifies the status of the direct debit in code form.	enum (Active, Inactive)
MandateIdentification required	Direct Debit reference. For AUDDIS service users provide Core Reference. For non AUDDIS service users provide Core reference if possible or last used reference. Length : 1 - 35	string
Name required	Name of Service User Length : 1 - 70	string

Name	Description	Schema
PreviousPaymentAmount <i>optional</i>	The amount of the most recent direct debit collection.	PreviousPaymentAmount
PreviousPaymentDateTime <i>optional</i>	Date of most recent direct debit collection. All dates in the JSON payloads are represented in ISO 8601 date-time format. All date-time fields in responses must include the timezone. An example is below: 2017-04-05T10:43:07+00:00	string (date-time)

PreviousPaymentAmount

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]{3,3}\$"</code>	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)

MetaData

Name	Description	Schema
FirstAvailableDateTime <i>optional</i>	All dates in the JSON payloads are represented in ISO 8601 date-time format. All date-time fields in responses must include the timezone. An example is below: 2017-04-05T10:43:07+00:00	string (date-time)
LastAvailableDateTime <i>optional</i>	All dates in the JSON payloads are represented in ISO 8601 date-time format. All date-time fields in responses must include the timezone. An example is below: 2017-04-05T10:43:07+00:00	string (date-time)

Name	Description	Schema
TotalPages <i>optional</i>		integer (int32)

2.8.4. Produces

- `application/json; charset=utf-8`

2.8.5. Security

Type	Name	Scopes
oauth2	PSUOAuth2Security	accounts

2.9. Get Account Product

GET /accounts/{AccountId}/product

2.9.1. Description

Get Product related to an account

2.9.2. Parameters

Type	Name	Description	Schema
Header	Authorization <i>required</i>	An Authorisation Token as per https://tools.ietf.org/html/rfc6750	string
Header	x-fapi-customer-ip-address <i>optional</i>	The PSU's IP address if the PSU is currently logged in with the TPP.	string
Header	x-fapi-customer-last-logged-time <i>optional</i>	The time when the PSU last logged in with the TPP. All dates in the HTTP headers are represented as RFC 7231 Full Dates. An example is below: Sun, 10 Sep 2017 19:43:31 UTC	string
Header	x-fapi-financial-id <i>required</i>	The unique id of the ASPSP to which the request is issued. The unique id will be issued by OB.	string
Header	x-fapi-interaction-id <i>optional</i>	An RFC4122 UID used as a correlation id.	string
Path	AccountId <i>required</i>	A unique identifier used to identify the account resource.	string

2.9.3. Responses

HTTP Code	Description	Schema
200	Account Product successfully retrieved Headers : x-jws-signature (string) : Header containing a detached JWS signature of the body of the payload. x-fapi-interaction-id (string) : An RFC4122 UID used as a correlation id.	Product GET response
400	Bad Request	No Content
401	Unauthorized	No Content
403	Forbidden	No Content
405	Method Not Allowed	No Content

HTTP Code	Description	Schema
406	Not Acceptable	No Content
429	Too Many Requests Headers : Retry-After (integer) : Number in seconds to wait.	No Content
500	Internal Server Error	No Content

Product GET response

Name	Description	Schema
Data required	Data	Data
Links required	Links relevant to the payload	Links
Meta required	Meta Data relevant to the payload	MetaData

Data

Name	Description	Schema
Product optional	Product	< Product > array

Product

Name	Description	Schema
AccountId required	A unique and immutable identifier used to identify the account resource. This identifier has no meaning to the account owner. Length : 1 - 40	string
ProductIdentifier required	Identifier within the parent organisation for the product. Must be unique in the organisation.	string
ProductName optional	The name of the product used for marketing purposes from a customer perspective. I.e. what the customer would recognise.	string
ProductType required	Descriptive code for the product category.	enum (BCA, PCA)
SecondaryProductIdentifier optional	Identifier within the parent organisation for the product. Must be unique in the organisation.	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)

MetaData

Name	Description	Schema
FirstAvailableDateTime <i>optional</i>	All dates in the JSON payloads are represented in ISO 8601 date-time format. All date-time fields in responses must include the timezone. An example is below: 2017-04-05T10:43:07+00:00	string (date-time)
LastAvailableDateTime <i>optional</i>	All dates in the JSON payloads are represented in ISO 8601 date-time format. All date-time fields in responses must include the timezone. An example is below: 2017-04-05T10:43:07+00:00	string (date-time)
TotalPages <i>optional</i>		integer (int32)

2.9.4. Produces

- `application/json; charset=utf-8`

2.9.5. Security

Type	Name	Scopes
oauth2	PSUOAuth2Security	accounts

2.10. Get Account Standing Orders

GET /accounts/{AccountId}/standing-orders

2.10.1. Description

Get Standing Orders related to an account

2.10.2. Parameters

Type	Name	Description	Schema
Header	Authorization <i>required</i>	An Authorisation Token as per https://tools.ietf.org/html/rfc6750	string
Header	x-fapi-customer-ip-address <i>optional</i>	The PSU's IP address if the PSU is currently logged in with the TPP.	string
Header	x-fapi-customer-last-logged-time <i>optional</i>	The time when the PSU last logged in with the TPP. All dates in the HTTP headers are represented as RFC 7231 Full Dates. An example is below: Sun, 10 Sep 2017 19:43:31 UTC	string
Header	x-fapi-financial-id <i>required</i>	The unique id of the ASPSP to which the request is issued. The unique id will be issued by OB.	string
Header	x-fapi-interaction-id <i>optional</i>	An RFC4122 UID used as a correlation id.	string
Path	AccountId <i>required</i>	A unique identifier used to identify the account resource.	string

2.10.3. Responses

HTTP Code	Description	Schema
200	Account Standing Orders successfully retrieved Headers : x-jws-signature (string) : Header containing a detached JWS signature of the body of the payload. x-fapi-interaction-id (string) : An RFC4122 UID used as a correlation id.	Standing Orders GET response
400	Bad Request	No Content
401	Unauthorized	No Content
403	Forbidden	No Content
405	Method Not Allowed	No Content

HTTP Code	Description	Schema
406	Not Acceptable	No Content
429	Too Many Requests Headers : Retry-After (integer) : Number in seconds to wait.	No Content
500	Internal Server Error	No Content

Standing Orders GET response

Name	Description	Schema
Data required	Data	Data
Links required	Links relevant to the payload	Links
Meta required	Meta Data relevant to the payload	MetaData

Data

Name	Description	Schema
StandingOrder <i>optional</i>	StandingOrder	< StandingOrder > array

StandingOrder

Name	Description	Schema
AccountId <i>required</i>	The date on which the first payment for a Standing Order schedule will be made. Length : 1 - 40	string
CreditorAccount <i>optional</i>	Provides the details to identify the beneficiary account.	CreditorAccount
FinalPaymentAmount <i>optional</i>	The amount of the final Standing Order	FinalPaymentAmount
FinalPaymentDateTime <i>optional</i>	The date on which the final payment for a Standing Order schedule will be made. All dates in the JSON payloads are represented in ISO 8601 date-time format. All date-time fields in responses must include the timezone. An example is below: 2017-04-05T10:43:07+00:00	string (date-time)
FirstPaymentAmount <i>optional</i>	The amount of the first Standing Order	FirstPaymentAmount

Name	Description	Schema
FirstPayment DateTime <i>optional</i>	The date on which the first payment for a Standing Order schedule will be made. All dates in the JSON payloads are represented in ISO 8601 date-time format. All date-time fields in responses must include the timezone. An example is below: 2017-04-05T10:43:07+00:00	string (date-time)
Frequency <i>required</i>	<p> EvryDay - Every day EvryWorkgDay - Every working day IntrvlWkDay - An interval specified in weeks (01 to 09), and the day within the week (01 to 07) WkInMnthDay - A monthly interval, specifying the week of the month (01 to 05) and day within the week (01 to 07) IntrvlMnthDay - An interval specified in months (between 01 to 06, 12, 24), specifying the day within the month (-5 to -1, 1 to 31) QtrDay - Quarterly (either ENGLISH, SCOTTISH, or RECEIVED) Patterns: EvryDay (ScheduleCode) EvryWorkgDay (ScheduleCode) IntrvlWkDay:IntervalInWeeks:DayInWeek (ScheduleCode + IntervalInWeeks + DayInWeek) WkInMnthDay:WeekInMonth:DayInWeek (ScheduleCode + WeekInMonth + DayInWeek) IntrvlMnthDay:IntervalInMonths:DayInMonth (ScheduleCode + IntervalInMonths + DayInMonth) QtrDay: + either (ENGLISH, SCOTTISH or RECEIVED) ScheduleCode + QuarterDay </p> <p> The regular expression for this element combines five smaller versions for each permitted pattern. To aid legibility - the components are presented individually here: EvryDay EvryWorkgDay IntrvlWkDay:0[1-9]:0[1-7] WkInMnthDay:0[1-5]:0[1-7] IntrvlMnthDay:(0[1-6] 12 24):(-0[1-5] 0[1-9] [12][0-9] 3[01]) QtrDay:(ENGLISH SCOTTISH RECEIVED) </p> <p> Pattern : "(EvryDay)\$ (EvryWorkgDay)\$ (IntrvlWkDay:0[1-9]:0[1-7])\$ (WkInMnthDay:0[1-5]:0[1-7])\$ (IntrvlMnthDay:(0[1-6] 12 24):(-0[1-5] 0[1-9] [12][0-9] 3[01]))\$ (QtrDay:(ENGLISH SCOTTISH RECEIVED))\$" </p>	string
NextPayment Amount <i>required</i>	The amount of the next Standing Order	NextPaymentAmount
NextPayment DateTime <i>required</i>	The date on which the next payment for a Standing Order schedule will be made. All dates in the JSON payloads are represented in ISO 8601 date-time format. All date-time fields in responses must include the timezone. An example is below: 2017-04-05T10:43:07+00:00	string (date-time)

Name	Description	Schema
Reference <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
Servicer <i>optional</i>	Party that manages the account on behalf of the account owner, that is manages the registration and booking of entries on the account, calculates balances on the account and provides information about the account. This is the servicer of the beneficiary account	Servicer
StandingOrderId <i>optional</i>	A unique and immutable identifier used to identify the standing order resource. This identifier has no meaning to the account owner. Length : 1 - 40	string

CreditorAccount

Name	Description	Schema
Identification <i>required</i>	Identification assigned by an institution to identify an account. This identification is known by the account owner. Length : 1 - 34	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
SchemeName <i>required</i>	Name of the identification scheme, in a coded form as published in an external list.	enum (IBAN, SortCodeAccountNumber)
SecondaryIdentification <i>optional</i>	This is secondary identification of the account, as assigned by the account servicing institution. This can be used by building societies to additionally identify accounts with a roll number (in addition to a sort code and account number combination). Length : 1 - 34	string

FinalPaymentAmount

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]{3,3}\$</code> "	string

FirstPaymentAmount

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]{3,3}\$</code> "	string

NextPaymentAmount

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]{3,3}\$</code> "	string

Servicer

Name	Description	Schema
Identification <i>required</i>	Unique and unambiguous identification of the servicing institution. Length : 1 - 35	string
SchemeName <i>required</i>	Name of the identification scheme, in a coded form as published in an external list.	enum (BICFI)

Links

Name	Schema
First <i>optional</i>	string (uri)
Last <i>optional</i>	string (uri)

Name	Schema
Next <i>optional</i>	string (uri)
Prev <i>optional</i>	string (uri)
Self <i>required</i>	string (uri)

MetaData

Name	Description	Schema
FirstAvailableDateTime <i>optional</i>	All dates in the JSON payloads are represented in ISO 8601 date-time format. All date-time fields in responses must include the timezone. An example is below: 2017-04-05T10:43:07+00:00	string (date-time)
LastAvailableDateTime <i>optional</i>	All dates in the JSON payloads are represented in ISO 8601 date-time format. All date-time fields in responses must include the timezone. An example is below: 2017-04-05T10:43:07+00:00	string (date-time)
TotalPages <i>optional</i>		integer (int32)

2.10.4. Produces

- `application/json; charset=utf-8`

2.10.5. Security

Type	Name	Scopes
oauth2	PSUOAuth2Security	accounts

2.11. Get Account Transactions

GET /accounts/{AccountId}/transactions

2.11.1. Description

Get transactions related to an account

2.11.2. Parameters

Type	Name	Description	Schema
Header	Authorization <i>required</i>	An Authorisation Token as per https://tools.ietf.org/html/rfc6750	string
Header	x-fapi-customer-ip-address <i>optional</i>	The PSU's IP address if the PSU is currently logged in with the TPP.	string
Header	x-fapi-customer-last-logged-time <i>optional</i>	The time when the PSU last logged in with the TPP. All dates in the HTTP headers are represented as RFC 7231 Full Dates. An example is below: Sun, 10 Sep 2017 19:43:31 UTC	string
Header	x-fapi-financial-id <i>required</i>	The unique id of the ASPSP to which the request is issued. The unique id will be issued by OB.	string
Header	x-fapi-interaction-id <i>optional</i>	An RFC4122 UID used as a correlation id.	string
Path	AccountId <i>required</i>	A unique identifier used to identify the account resource.	string
Query	fromBookingDate <i>optional</i>	The UTC ISO 8601 Date Time to filter transactions FROM NB Time component is optional - set to 00:00:00 for just Date. The parameter must NOT have a timezone set	string (date-time)
Query	toBookingDate <i>optional</i>	The UTC ISO 8601 Date Time to filter transactions TO NB Time component is optional - set to 00:00:00 for just Date. The parameter must NOT have a timezone set	string (date-time)

2.11.3. Responses

HTTP Code	Description	Schema
200	Account Transactions successfully retrieved Headers : x-jws-signature (string) : Header containing a detached JWS signature of the body of the payload. x-fapi-interaction-id (string) : An RFC4122 UID used as a correlation id.	Account Transactions GET response
400	Bad Request	No Content
401	Unauthorized	No Content
403	Forbidden	No Content
405	Method Not Allowed	No Content
406	Not Acceptable	No Content
429	Too Many Requests Headers : Retry-After (integer) : Number in seconds to wait.	No Content
500	Internal Server Error	No Content

Account Transactions GET response

Name	Description	Schema
Data required	Data	Data
Links required	Links relevant to the payload	Links
Meta required	Meta Data relevant to the payload	MetaData

Data

Name	Description	Schema
Transaction optional	Transaction	< Transaction > array

Transaction

Name	Description	Schema
AccountId required	A unique and immutable identifier used to identify the account resource. This identifier has no meaning to the account owner. Length : 1 - 40	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 <i>required</i>	Amount of money in the cash entry.	Amount
Balance <i>optional</i>	Set of elements used to define the balance as a numerical representation of the net increases and decreases in an account after a transaction entry is applied to the account.	Balance
BankTransactionCode <i>optional</i>	Set of elements used to fully identify the type of underlying transaction resulting in an entry.	BankTransactionCode
BookingDateTime <i>required</i>	Date and time when a transaction 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. All dates in the JSON payloads are represented in ISO 8601 date-time format. All date-time fields in responses must include the timezone. An example is below: 2017-04-05T10:43:07+00:00	string (date-time)
CreditDebitIndicator <i>required</i>	Indicates whether the transaction is a credit or a debit entry.	enum (Credit, Debit)
MerchantDetails <i>optional</i>	Details of the merchant involved in the transaction.	MerchantDetails
ProprietaryBankTransactionCode <i>optional</i>	Set of elements to fully identify a proprietary bank transaction code.	ProprietaryBankTransactionCode
Status <i>required</i>	Status of a transaction entry on the books of the account servicer.	enum (Booked, Pending)
TransactionId <i>optional</i>	Unique identifier for the transaction within an servicing institution. This identifier is both unique and immutable. Length : 1 - 40	string
TransactionInformation <i>optional</i>	Further details of the transaction. This is the transaction narrative, which is unstructured text. Length : 1 - 500	string
TransactionReference <i>optional</i>	Unique reference for the transaction. This reference is optionally populated, and may as an example be the FPID in the Faster Payments context. Length : 1 - 35	string

Name	Description	Schema
ValueDateTime <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. All dates in the JSON payloads are represented in ISO 8601 date-time format. All date-time fields in responses must include the timezone. An example is below: 2017-04-05T10:43:07+00:00	string (date-time)

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]{3,3}\$</code> "	string

Balance

Name	Description	Schema
Amount <i>required</i>	Amount of money of the cash balance after a transaction entry is applied to the account..	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 (ClosingAvailable, ClosingBooked, Expected, ForwardAvailable, Information, InterimAvailable, InterimBooked, OpeningAvailable, OpeningBooked, PreviouslyClosedBooked)

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]{3,3}\$</code> "	string

BankTransactionCode

Name	Description	Schema
Code <i>required</i>	Specifies the family within a domain.	string
SubCode <i>required</i>	Specifies the sub-product family within a specific family.	string

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
MerchantName <i>optional</i>	Name by which the merchant is known. Length : 1 - 350	string

ProprietaryBankTransactionCode

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

Links

Name	Schema
First <i>optional</i>	string (uri)
Last <i>optional</i>	string (uri)
Next <i>optional</i>	string (uri)

Name	Schema
Prev <i>optional</i>	string (uri)
Self <i>required</i>	string (uri)

MetaData

Name	Description	Schema
FirstAvailableDateTime <i>optional</i>	All dates in the JSON payloads are represented in ISO 8601 date-time format. All date-time fields in responses must include the timezone. An example is below: 2017-04-05T10:43:07+00:00	string (date-time)
LastAvailableDateTime <i>optional</i>	All dates in the JSON payloads are represented in ISO 8601 date-time format. All date-time fields in responses must include the timezone. An example is below: 2017-04-05T10:43:07+00:00	string (date-time)
TotalPages <i>optional</i>		integer (int32)

2.11.4. Produces

- `application/json; charset=utf-8`

2.11.5. Security

Type	Name	Scopes
oauth2	PSUOAuth2Security	accounts

2.12. Get Balances

GET /balances

2.12.1. Description

Get Balances

2.12.2. Parameters

Type	Name	Description	Schema
Header	Authorization <i>required</i>	An Authorisation Token as per https://tools.ietf.org/html/rfc6750	string
Header	x-fapi-customer-ip-address <i>optional</i>	The PSU's IP address if the PSU is currently logged in with the TPP.	string
Header	x-fapi-customer-last-logged-time <i>optional</i>	The time when the PSU last logged in with the TPP. All dates in the HTTP headers are represented as RFC 7231 Full Dates. An example is below: Sun, 10 Sep 2017 19:43:31 UTC	string
Header	x-fapi-financial-id <i>required</i>	The unique id of the ASPSP to which the request is issued. The unique id will be issued by OB.	string
Header	x-fapi-interaction-id <i>optional</i>	An RFC4122 UID used as a correlation id.	string

2.12.3. Responses

HTTP Code	Description	Schema
200	Balances successfully retrieved Headers : x-jws-signature (string) : Header containing a detached JWS signature of the body of the payload. x-fapi-interaction-id (string) : An RFC4122 UID used as a correlation id.	Balances GET response
400	Bad Request	No Content
401	Unauthorized	No Content
403	Forbidden	No Content
405	Method Not Allowed	No Content
406	Not Acceptable	No Content

HTTP Code	Description	Schema
429	Too Many Requests Headers : Retry-After (integer) : Number in seconds to wait.	No Content
500	Internal Server Error	No Content

Balances GET response

Name	Description	Schema
Data required	Data	Data
Links required	Links relevant to the payload	Links
Meta required	Meta Data relevant to the payload	MetaData

Data

Name	Description	Schema
Balance optional	Balance	< Balance > array

Balance

Name	Description	Schema
AccountId required	A unique and immutable identifier used to identify the account resource. This identifier has no meaning to the account owner. Length : 1 - 40	string
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)
CreditLine optional		< CreditLine > array
DateTime required	Indicates the date (and time) of the balance. All dates in the JSON payloads are represented in ISO 8601 date-time format. All date-time fields in responses must include the timezone. An example is below: 2017-04-05T10:43:07+00:00	string (date-time)

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

Amount

Name	Description	Schema
Amount required	Pattern : <code>"^\d{1,13}\.\d{1,5}\$"</code>	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 : <code>"^[A-Z]{3,3}\$"</code>	string

CreditLine

Name	Description	Schema
Amount optional	Active Or Historic Currency Code and Amount	Amount
Included required	Indicates whether or not the credit line is included in the balance of the account. Usage: If not present, credit line is not included in the balance amount of the account.	boolean
Type optional	Limit type, in a coded form.	enum (Pre-Agreed, Emergency, Temporary)

Amount

Name	Description	Schema
Amount required	Pattern : <code>"^\d{1,13}\.\d{1,5}\$"</code>	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 : <code>"^[A-Z]{3,3}\$"</code>	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)

MetaData

Name	Description	Schema
FirstAvailableDateTime <i>optional</i>	All dates in the JSON payloads are represented in ISO 8601 date-time format. All date-time fields in responses must include the timezone. An example is below: 2017-04-05T10:43:07+00:00	string (date-time)
LastAvailableDateTime <i>optional</i>	All dates in the JSON payloads are represented in ISO 8601 date-time format. All date-time fields in responses must include the timezone. An example is below: 2017-04-05T10:43:07+00:00	string (date-time)
TotalPages <i>optional</i>		integer (int32)

2.12.4. Produces

- `application/json; charset=utf-8`

2.12.5. Security

Type	Name	Scopes
oauth2	PSUOAuth2Security	accounts

2.13. Get Beneficiaries

GET /beneficiaries

2.13.1. Description

Get Beneficiaries

2.13.2. Parameters

Type	Name	Description	Schema
Header	Authorization <i>required</i>	An Authorisation Token as per https://tools.ietf.org/html/rfc6750	string
Header	x-fapi-customer-ip-address <i>optional</i>	The PSU's IP address if the PSU is currently logged in with the TPP.	string
Header	x-fapi-customer-last-logged-time <i>optional</i>	The time when the PSU last logged in with the TPP. All dates in the HTTP headers are represented as RFC 7231 Full Dates. An example is below: Sun, 10 Sep 2017 19:43:31 UTC	string
Header	x-fapi-financial-id <i>required</i>	The unique id of the ASPSP to which the request is issued. The unique id will be issued by OB.	string
Header	x-fapi-interaction-id <i>optional</i>	An RFC4122 UID used as a correlation id.	string

2.13.3. Responses

HTTP Code	Description	Schema
200	Beneficiaries successfully retrieved Headers : x-jws-signature (string) : Header containing a detached JWS signature of the body of the payload. x-fapi-interaction-id (string) : An RFC4122 UID used as a correlation id.	Beneficiaries GET response
400	Bad Request	No Content
401	Unauthorized	No Content
403	Forbidden	No Content
405	Method Not Allowed	No Content
406	Not Acceptable	No Content

HTTP Code	Description	Schema
429	Too Many Requests Headers : Retry-After (integer) : Number in seconds to wait.	No Content
500	Internal Server Error	No Content

Beneficiaries GET response

Name	Description	Schema
Data required	Data	Data
Links required	Links relevant to the payload	Links
Meta required	Meta Data relevant to the payload	MetaData

Data

Name	Description	Schema
Beneficiary optional	Beneficiary	< Beneficiary > array

Beneficiary

Name	Description	Schema
AccountId optional	A unique and immutable identifier used to identify the account resource. This identifier has no meaning to the account owner. Length : 1 - 40	string
BeneficiaryId optional	A unique and immutable identifier used to identify the beneficiary resource. This identifier has no meaning to the account owner. Length : 1 - 40	string
CreditorAccount optional	Provides the details to identify the beneficiary account.	CreditorAccount

Name	Description	Schema
Reference <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
Servicer <i>optional</i>	Party that manages the account on behalf of the account owner, that is manages the registration and booking of entries on the account, calculates balances on the account and provides information about the account. This is the servicer of the beneficiary account.	Servicer

CreditorAccount

Name	Description	Schema
Identification <i>required</i>	Identification assigned by an institution to identify an account. This identification is known by the account owner. Length : 1 - 34	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
SchemeName <i>required</i>	Name of the identification scheme, in a coded form as published in an external list.	enum (IBAN, SortCodeAccountNumber)
SecondaryIdentification <i>optional</i>	This is secondary identification of the account, as assigned by the account servicing institution. This can be used by building societies to additionally identify accounts with a roll number (in addition to a sort code and account number combination). Length : 1 - 34	string

Servicer

Name	Description	Schema
Identification <i>required</i>	Unique and unambiguous identification of the servicing institution. Length : 1 - 35	string
SchemeName <i>required</i>	Name of the identification scheme, in a coded form as published in an external list.	enum (BICFI)

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)

MetaData

Name	Description	Schema
FirstAvailableDateTime <i>optional</i>	All dates in the JSON payloads are represented in ISO 8601 date-time format. All date-time fields in responses must include the timezone. An example is below: 2017-04-05T10:43:07+00:00	string (date-time)
LastAvailableDateTime <i>optional</i>	All dates in the JSON payloads are represented in ISO 8601 date-time format. All date-time fields in responses must include the timezone. An example is below: 2017-04-05T10:43:07+00:00	string (date-time)
TotalPages <i>optional</i>		integer (int32)

2.13.4. Produces

- `application/json; charset=utf-8`

2.13.5. Security

Type	Name	Scopes
oauth2	PSUOAuth2Security	accounts

2.14. Get Direct Debits

GET /direct-debits

2.14.1. Description

Get Direct Debits

2.14.2. Parameters

Type	Name	Description	Schema
Header	Authorization <i>required</i>	An Authorisation Token as per https://tools.ietf.org/html/rfc6750	string
Header	x-fapi-customer-ip-address <i>optional</i>	The PSU's IP address if the PSU is currently logged in with the TPP.	string
Header	x-fapi-customer-last-logged-time <i>optional</i>	The time when the PSU last logged in with the TPP. All dates in the HTTP headers are represented as RFC 7231 Full Dates. An example is below: Sun, 10 Sep 2017 19:43:31 UTC	string
Header	x-fapi-financial-id <i>required</i>	The unique id of the ASPSP to which the request is issued. The unique id will be issued by OB.	string
Header	x-fapi-interaction-id <i>optional</i>	An RFC4122 UID used as a correlation id.	string

2.14.3. Responses

HTTP Code	Description	Schema
200	Direct Debits successfully retrieved Headers : x-jws-signature (string) : Header containing a detached JWS signature of the body of the payload. x-fapi-interaction-id (string) : An RFC4122 UID used as a correlation id.	Account GET response
400	Bad Request	No Content
401	Unauthorized	No Content
403	Forbidden	No Content
405	Method Not Allowed	No Content
406	Not Acceptable	No Content

HTTP Code	Description	Schema
429	Too Many Requests Headers : Retry-After (integer) : Number in seconds to wait.	No Content
500	Internal Server Error	No Content

Account GET response

Name	Description	Schema
Data required	Data	Data
Links required	Links relevant to the payload	Links
Meta required	Meta Data relevant to the payload	MetaData

Data

Name	Description	Schema
DirectDebit optional	DirectDebit	< DirectDebit > array

DirectDebit

Name	Description	Schema
AccountId required	A unique and immutable identifier used to identify the account resource. This identifier has no meaning to the account owner. Length : 1 - 40	string
DirectDebitId optional	A unique and immutable identifier used to identify the direct debit resource. This identifier has no meaning to the account owner. Length : 1 - 40	string
DirectDebitStatusCode optional	Specifies the status of the direct debit in code form.	enum (Active, Inactive)
MandateIdentification required	Direct Debit reference. For AUDDIS service users provide Core Reference. For non AUDDIS service users provide Core reference if possible or last used reference. Length : 1 - 35	string
Name required	Name of Service User Length : 1 - 70	string
PreviousPaymentAmount optional	The amount of the most recent direct debit collection.	PreviousPaymentAmount

Name	Description	Schema
PreviousPaymentDateTime <i>optional</i>	Date of most recent direct debit collection. All dates in the JSON payloads are represented in ISO 8601 date-time format. All date-time fields in responses must include the timezone. An example is below: 2017-04-05T10:43:07+00:00	string (date-time)

PreviousPaymentAmount

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]{3,3}\$</code> "	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)

MetaData

Name	Description	Schema
FirstAvailableDateTime <i>optional</i>	All dates in the JSON payloads are represented in ISO 8601 date-time format. All date-time fields in responses must include the timezone. An example is below: 2017-04-05T10:43:07+00:00	string (date-time)
LastAvailableDateTime <i>optional</i>	All dates in the JSON payloads are represented in ISO 8601 date-time format. All date-time fields in responses must include the timezone. An example is below: 2017-04-05T10:43:07+00:00	string (date-time)
TotalPages <i>optional</i>		integer (int32)

2.14.4. Produces

- `application/json; charset=utf-8`

2.14.5. Security

Type	Name	Scopes
oauth2	PSUOAuth2Security	accounts

2.15. Get Products

GET /products

2.15.1. Description

Get Products

2.15.2. Parameters

Type	Name	Description	Schema
Header	Authorization <i>required</i>	An Authorisation Token as per https://tools.ietf.org/html/rfc6750	string
Header	x-fapi-customer-ip-address <i>optional</i>	The PSU's IP address if the PSU is currently logged in with the TPP.	string
Header	x-fapi-customer-last-logged-time <i>optional</i>	The time when the PSU last logged in with the TPP. All dates in the HTTP headers are represented as RFC 7231 Full Dates. An example is below: Sun, 10 Sep 2017 19:43:31 UTC	string
Header	x-fapi-financial-id <i>required</i>	The unique id of the ASPSP to which the request is issued. The unique id will be issued by OB.	string
Header	x-fapi-interaction-id <i>optional</i>	An RFC4122 UID used as a correlation id.	string

2.15.3. Responses

HTTP Code	Description	Schema
200	Products successfully retrieved Headers : x-jws-signature (string) : Header containing a detached JWS signature of the body of the payload. x-fapi-interaction-id (string) : An RFC4122 UID used as a correlation id.	Products GET response
400	Bad Request	No Content
401	Unauthorized	No Content
403	Forbidden	No Content
405	Method Not Allowed	No Content
406	Not Acceptable	No Content

HTTP Code	Description	Schema
429	Too Many Requests Headers : Retry-After (integer) : Number in seconds to wait.	No Content
500	Internal Server Error	No Content

Products GET response

Name	Description	Schema
Data required	Data	Data
Links required	Links relevant to the payload	Links
Meta required	Meta Data relevant to the payload	MetaData

Data

Name	Description	Schema
Product optional	Product	< Product > array

Product

Name	Description	Schema
AccountId required	A unique and immutable identifier used to identify the account resource. This identifier has no meaning to the account owner. Length : 1 - 40	string
ProductIdentifier required	Identifier within the parent organisation for the product. Must be unique in the organisation.	string
ProductName optional	The name of the product used for marketing purposes from a customer perspective. I.e. what the customer would recognise.	string
ProductType required	Descriptive code for the product category.	enum (BCA, PCA)
SecondaryProductIdentifier optional	Identifier within the parent organisation for the product. Must be unique in the organisation.	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)

MetaData

Name	Description	Schema
FirstAvailableDateTime <i>optional</i>	All dates in the JSON payloads are represented in ISO 8601 date-time format. All date-time fields in responses must include the timezone. An example is below: 2017-04-05T10:43:07+00:00	string (date-time)
LastAvailableDateTime <i>optional</i>	All dates in the JSON payloads are represented in ISO 8601 date-time format. All date-time fields in responses must include the timezone. An example is below: 2017-04-05T10:43:07+00:00	string (date-time)
TotalPages <i>optional</i>		integer (int32)

2.15.4. Produces

- `application/json; charset=utf-8`

2.15.5. Security

Type	Name	Scopes
oauth2	PSUOAuth2Security	accounts

2.16. Get Standing Orders

GET /standing-orders

2.16.1. Description

Get Standing Orders

2.16.2. Parameters

Type	Name	Description	Schema
Header	Authorization <i>required</i>	An Authorisation Token as per https://tools.ietf.org/html/rfc6750	string
Header	x-fapi-customer-ip-address <i>optional</i>	The PSU's IP address if the PSU is currently logged in with the TPP.	string
Header	x-fapi-customer-last-logged-time <i>optional</i>	The time when the PSU last logged in with the TPP. All dates in the HTTP headers are represented as RFC 7231 Full Dates. An example is below: Sun, 10 Sep 2017 19:43:31 UTC	string
Header	x-fapi-financial-id <i>required</i>	The unique id of the ASPSP to which the request is issued. The unique id will be issued by OB.	string
Header	x-fapi-interaction-id <i>optional</i>	An RFC4122 UID used as a correlation id.	string

2.16.3. Responses

HTTP Code	Description	Schema
200	Standing Orders successfully retrieved Headers : x-jws-signature (string) : Header containing a detached JWS signature of the body of the payload. x-fapi-interaction-id (string) : An RFC4122 UID used as a correlation id.	Standing Orders GET response
400	Bad Request	No Content
401	Unauthorized	No Content
403	Forbidden	No Content
405	Method Not Allowed	No Content
406	Not Acceptable	No Content

HTTP Code	Description	Schema
429	Too Many Requests Headers : Retry-After (integer) : Number in seconds to wait.	No Content
500	Internal Server Error	No Content

Standing Orders GET response

Name	Description	Schema
Data required	Data	Data
Links required	Links relevant to the payload	Links
Meta required	Meta Data relevant to the payload	MetaData

Data

Name	Description	Schema
StandingOrder <i>optional</i>	StandingOrder	< StandingOrder > array

StandingOrder

Name	Description	Schema
AccountId <i>required</i>	The date on which the first payment for a Standing Order schedule will be made. Length : 1 - 40	string
CreditorAccount <i>optional</i>	Provides the details to identify the beneficiary account.	CreditorAccount
FinalPaymentAmount <i>optional</i>	The amount of the final Standing Order	FinalPaymentAmount
FinalPaymentDateTime <i>optional</i>	The date on which the final payment for a Standing Order schedule will be made. All dates in the JSON payloads are represented in ISO 8601 date-time format. All date-time fields in responses must include the timezone. An example is below: 2017-04-05T10:43:07+00:00	string (date-time)
FirstPaymentAmount <i>optional</i>	The amount of the first Standing Order	FirstPaymentAmount

Name	Description	Schema
FirstPayment DateTime <i>optional</i>	The date on which the first payment for a Standing Order schedule will be made. All dates in the JSON payloads are represented in ISO 8601 date-time format. All date-time fields in responses must include the timezone. An example is below: 2017-04-05T10:43:07+00:00	string (date-time)
Frequency <i>required</i>	<p> EvryDay - Every day EvryWorkgDay - Every working day IntrvlWkDay - An interval specified in weeks (01 to 09), and the day within the week (01 to 07) WkInMnthDay - A monthly interval, specifying the week of the month (01 to 05) and day within the week (01 to 07) IntrvlMnthDay - An interval specified in months (between 01 to 06, 12, 24), specifying the day within the month (-5 to -1, 1 to 31) QtrDay - Quarterly (either ENGLISH, SCOTTISH, or RECEIVED) </p> <p> Patterns: EvryDay (ScheduleCode) EvryWorkgDay (ScheduleCode) IntrvlWkDay:IntervalInWeeks:DayInWeek (ScheduleCode + IntervalInWeeks + DayInWeek) WkInMnthDay:WeekInMonth:DayInWeek (ScheduleCode + WeekInMonth + DayInWeek) IntrvlMnthDay:IntervalInMonths:DayInMonth (ScheduleCode + IntervalInMonths + DayInMonth) QtrDay: + either (ENGLISH, SCOTTISH or RECEIVED) ScheduleCode + QuarterDay </p> <p> The regular expression for this element combines five smaller versions for each permitted pattern. To aid legibility - the components are presented individually here: EvryDay EvryWorkgDay IntrvlWkDay:0[1-9]:0[1-7] WkInMnthDay:0[1-5]:0[1-7] IntrvlMnthDay:(0[1-6] 12 24):(-0[1-5] 0[1-9] [12][0-9] 3[01]) QtrDay:(ENGLISH SCOTTISH RECEIVED) </p> <p> Pattern : "(EvryDay)\$ (EvryWorkgDay)\$ (IntrvlWkDay:0[1-9]:0[1-7])\$ (WkInMnthDay:0[1-5]:0[1-7])\$ (IntrvlMnthDay:(0[1-6] 12 24):(-0[1-5] 0[1-9] [12][0-9] 3[01]))\$ (QtrDay:(ENGLISH SCOTTISH RECEIVED))\$" </p>	string
NextPayment Amount <i>required</i>	The amount of the next Standing Order	NextPaymentAmount
NextPayment DateTime <i>required</i>	The date on which the next payment for a Standing Order schedule will be made. All dates in the JSON payloads are represented in ISO 8601 date-time format. All date-time fields in responses must include the timezone. An example is below: 2017-04-05T10:43:07+00:00	string (date-time)

Name	Description	Schema
Reference <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
Servicer <i>optional</i>	Party that manages the account on behalf of the account owner, that is manages the registration and booking of entries on the account, calculates balances on the account and provides information about the account. This is the servicer of the beneficiary account	Servicer
StandingOrderId <i>optional</i>	A unique and immutable identifier used to identify the standing order resource. This identifier has no meaning to the account owner. Length : 1 - 40	string

CreditorAccount

Name	Description	Schema
Identification <i>required</i>	Identification assigned by an institution to identify an account. This identification is known by the account owner. Length : 1 - 34	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
SchemeName <i>required</i>	Name of the identification scheme, in a coded form as published in an external list.	enum (IBAN, SortCodeAccountNumber)
SecondaryIdentification <i>optional</i>	This is secondary identification of the account, as assigned by the account servicing institution. This can be used by building societies to additionally identify accounts with a roll number (in addition to a sort code and account number combination). Length : 1 - 34	string

FinalPaymentAmount

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]{3,3}\$</code> "	string

FirstPaymentAmount

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]{3,3}\$</code> "	string

NextPaymentAmount

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]{3,3}\$</code> "	string

Servicer

Name	Description	Schema
Identification <i>required</i>	Unique and unambiguous identification of the servicing institution. Length : 1 - 35	string
SchemeName <i>required</i>	Name of the identification scheme, in a coded form as published in an external list.	enum (BICFI)

Links

Name	Schema
First <i>optional</i>	string (uri)
Last <i>optional</i>	string (uri)

Name	Schema
Next <i>optional</i>	string (uri)
Prev <i>optional</i>	string (uri)
Self <i>required</i>	string (uri)

MetaData

Name	Description	Schema
FirstAvailableDateTime <i>optional</i>	All dates in the JSON payloads are represented in ISO 8601 date-time format. All date-time fields in responses must include the timezone. An example is below: 2017-04-05T10:43:07+00:00	string (date-time)
LastAvailableDateTime <i>optional</i>	All dates in the JSON payloads are represented in ISO 8601 date-time format. All date-time fields in responses must include the timezone. An example is below: 2017-04-05T10:43:07+00:00	string (date-time)
TotalPages <i>optional</i>		integer (int32)

2.16.4. Produces

- `application/json; charset=utf-8`

2.16.5. Security

Type	Name	Scopes
oauth2	PSUOAuth2Security	accounts

2.17. Get Transactions

GET /transactions

2.17.1. Description

Get Transactions

2.17.2. Parameters

Type	Name	Description	Schema
Header	Authorization <i>required</i>	An Authorisation Token as per https://tools.ietf.org/html/rfc6750	string
Header	x-fapi-customer-ip-address <i>optional</i>	The PSU's IP address if the PSU is currently logged in with the TPP.	string
Header	x-fapi-customer-last-logged-time <i>optional</i>	The time when the PSU last logged in with the TPP. All dates in the HTTP headers are represented as RFC 7231 Full Dates. An example is below: Sun, 10 Sep 2017 19:43:31 UTC	string
Header	x-fapi-financial-id <i>required</i>	The unique id of the ASPSP to which the request is issued. The unique id will be issued by OB.	string
Header	x-fapi-interaction-id <i>optional</i>	An RFC4122 UID used as a correlation id.	string
Query	fromBookingDate <i>optional</i>	The UTC ISO 8601 Date Time to filter transactions FROM NB Time component is optional - set to 00:00:00 for just Date. The parameter must NOT have a timezone set	string (date-time)
Query	toBookingDate <i>optional</i>	The UTC ISO 8601 Date Time to filter transactions TO NB Time component is optional - set to 00:00:00 for just Date. The parameter must NOT have a timezone set	string (date-time)

2.17.3. Responses

HTTP Code	Description	Schema
200	Transactions successfully retrieved Headers : x-jws-signature (string) : Header containing a detached JWS signature of the body of the payload. x-fapi-interaction-id (string) : An RFC4122 UID used as a correlation id.	Account Transactions GET response

HTTP Code	Description	Schema
400	Bad Request	No Content
401	Unauthorized	No Content
403	Forbidden	No Content
405	Method Not Allowed	No Content
406	Not Acceptable	No Content
429	Too Many Requests Headers : Retry-After (integer) : Number in seconds to wait.	No Content
500	Internal Server Error	No Content

Account Transactions GET response

Name	Description	Schema
Data required	Data	Data
Links required	Links relevant to the payload	Links
Meta required	Meta Data relevant to the payload	MetaData

Data

Name	Description	Schema
Transaction optional	Transaction	< Transaction > array

Transaction

Name	Description	Schema
AccountId required	A unique and immutable identifier used to identify the account resource. This identifier has no meaning to the account owner. Length : 1 - 40	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 optional	Set of elements used to define the balance as a numerical representation of the net increases and decreases in an account after a transaction entry is applied to the account.	Balance

Name	Description	Schema
BankTransactionCode <i>optional</i>	Set of elements used to fully identify the type of underlying transaction resulting in an entry.	BankTransactionCode
BookingDateTime <i>required</i>	Date and time when a transaction 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. All dates in the JSON payloads are represented in ISO 8601 date-time format. All date-time fields in responses must include the timezone. An example is below: 2017-04-05T10:43:07+00:00	string (date-time)
CreditDebitIndicator <i>required</i>	Indicates whether the transaction is a credit or a debit entry.	enum (Credit, Debit)
MerchantDetails <i>optional</i>	Details of the merchant involved in the transaction.	MerchantDetails
ProprietaryBankTransactionCode <i>optional</i>	Set of elements to fully identify a proprietary bank transaction code.	ProprietaryBankTransactionCode
Status <i>required</i>	Status of a transaction entry on the books of the account servicer.	enum (Booked, Pending)
TransactionId <i>optional</i>	Unique identifier for the transaction within an servicing institution. This identifier is both unique and immutable. Length : 1 - 40	string
TransactionInformation <i>optional</i>	Further details of the transaction. This is the transaction narrative, which is unstructured text. Length : 1 - 500	string
TransactionReference <i>optional</i>	Unique reference for the transaction. This reference is optionally populated, and may as an example be the FPID in the Faster Payments context. Length : 1 - 35	string
ValueDateTime <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. All dates in the JSON payloads are represented in ISO 8601 date-time format. All date-time fields in responses must include the timezone. An example is below: 2017-04-05T10:43:07+00:00	string (date-time)

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]{3,3}\$</code> "	string

Balance

Name	Description	Schema
Amount <i>required</i>	Amount of money of the cash balance after a transaction entry is applied to the account..	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 (ClosingAvailable, ClosingBooked, Expected, ForwardAvailable, Information, InterimAvailable, InterimBooked, OpeningAvailable, OpeningBooked, PreviouslyClosedBooked)

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]{3,3}\$</code> "	string

BankTransactionCode

Name	Description	Schema
Code <i>required</i>	Specifies the family within a domain.	string
SubCode <i>required</i>	Specifies the sub-product family within a specific family.	string

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
MerchantName <i>optional</i>	Name by which the merchant is known. Length : 1 - 350	string

ProprietaryBankTransactionCode

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

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)

MetaData

Name	Description	Schema
FirstAvailableDateTime <i>optional</i>	All dates in the JSON payloads are represented in ISO 8601 date-time format. All date-time fields in responses must include the timezone. An example is below: 2017-04-05T10:43:07+00:00	string (date-time)
LastAvailableDateTime <i>optional</i>	All dates in the JSON payloads are represented in ISO 8601 date-time format. All date-time fields in responses must include the timezone. An example is below: 2017-04-05T10:43:07+00:00	string (date-time)

Name	Description	Schema
TotalPages <i>optional</i>		integer (int32)

2.17.4. Produces

- `application/json; charset=utf-8`

2.17.5. 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 : <https://authserver.example/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 : <https://authserver.example/authorization>

Token URL : <https://authserver.example/token>

Name	Description
accounts	Ability to read Accounts information