# Account API

**AccountPrivateApi**

**GET Get Position Transaction Page**

GET /api/v1/private/account/getPositionTransactionPage

**Request Parameters**

Name

Location

Type

Required

Description

accountId

query

string

No

Account ID

size

query

string

No

Number of items to retrieve. Must be greater than 0 and less than or equal to 100

offsetData

query

string

No

Pagination offset. If empty or not provided, the first page is retrieved

filterCoinIdList

query

string

No

Filter position transaction records by specified coin IDs. If not provided, all collateral transaction records are retrieved

filterContractIdList

query

string

No

Filter position transaction records by specified contract IDs. If not provided, all position transaction records are retrieved

filterTypeList

query

string

No

Filter position transaction records by specified types. If not provided, all position transaction records are retrieved

filterStartCreatedTimeInclusive

query

string

No

Filter position transaction records created after or at the specified start time (inclusive). If not provided or 0, retrieves records from the earliest time

filterEndCreatedTimeExclusive

query

string

No

Filter position transaction records created before the specified end time (exclusive). If not provided or 0, retrieves records up to the latest time

filterCloseOnly

query

string

No

Whether to return only position transactions that include closing positions. true: only return records with closing; false: return all records

filterOpenOnly

query

string

No

Whether to return only position transactions that include opening positions. true: only return records with opening; false: return all records

Response Example

200 Response

Copy

{ "code": "SUCCESS", "data": { "dataList": [ { "id": "564809510904923406", "userId": "543429922866069763", "accountId": "543429922991899150", "coinId": "1000", "contractId": "10000001", "type": "SELL\_POSITION", "deltaOpenSize": "-0.001", "deltaOpenValue": "-96.813200", "deltaOpenFee": "0.048406", "deltaFundingFee": "0.000000", "beforeOpenSize": "0.001", "beforeOpenValue": "96.813200", "beforeOpenFee": "-0.048406", "beforeFundingFee": "0", "fillCloseSize": "-0.001", "fillCloseValue": "-96.857100", "fillCloseFee": "-0.048428", "fillOpenSize": "0.000", "fillOpenValue": "0.000000", "fillOpenFee": "0.000000", "fillPrice": "96857.1", "liquidateFee": "0", "realizePnl": "-0.004528", "isLiquidate": false, "isDeleverage": false, "fundingTime": "0", "fundingRate": "", "fundingIndexPrice": "", "fundingOraclePrice": "", "fundingPositionSize": "", "orderId": "564809510842007822", "orderFillTransactionId": "564809510875562254", "collateralTransactionId": "564809510904922382", "forceTradeId": "0", "extraType": "", "extraDataJson": "", "censorStatus": "CENSOR\_SUCCESS", "censorTxId": "892720", "censorTime": "1734661081049", "censorFailCode": "", "censorFailReason": "", "l2TxId": "1084271", "l2RejectTime": "0", "l2RejectCode": "", "l2RejectReason": "", "l2ApprovedTime": "0", "createdTime": "1734661081049", "updatedTime": "1734661081053" } ], "nextPageOffsetData": "" }, "msg": null, "errorParam": null, "requestTime": "1734661416266", "responseTime": "1734661416277", "traceId": "a87a52a4e189045b7b7b9948ea7b5c54"}

**Response**

Status Code

Status Code Description

Description

Data Model

200

[OK](https://tools.ietf.org/html/rfc7231" \l "section-6.3.1)

default response

[Result](https://edgex-1.gitbook.io/edgeX-documentation/api/private-api/account-api" \l "positiontransactionpage)

**GET Get Position Transactions By Account ID and Transaction ID**

GET /api/v1/private/account/getPositionTransactionById

**Request Parameters**

Name

Location

Type

Required

Description

accountId

query

string

No

Account ID

positionTransactionIdList

query

string

No

Position Transaction IDs

Response Example

200 Response

Copy

{ "code": "SUCCESS", "data": { "dataList": [ { "id": "564809510904923406", "userId": "543429922866069763", "accountId": "543429922991899150", "coinId": "1000", "contractId": "10000001", "type": "SELL\_POSITION", "deltaOpenSize": "-0.001", "deltaOpenValue": "-96.813200", "deltaOpenFee": "0.048406", "deltaFundingFee": "0.000000", "beforeOpenSize": "0.001", "beforeOpenValue": "96.813200", "beforeOpenFee": "-0.048406", "beforeFundingFee": "0", "fillCloseSize": "-0.001", "fillCloseValue": "-96.857100", "fillCloseFee": "-0.048428", "fillOpenSize": "0.000", "fillOpenValue": "0.000000", "fillOpenFee": "0.000000", "fillPrice": "96857.1", "liquidateFee": "0", "realizePnl": "-0.004528", "isLiquidate": false, "isDeleverage": false, "fundingTime": "0", "fundingRate": "", "fundingIndexPrice": "", "fundingOraclePrice": "", "fundingPositionSize": "", "orderId": "564809510842007822", "orderFillTransactionId": "564809510875562254", "collateralTransactionId": "564809510904922382", "forceTradeId": "0", "extraType": "", "extraDataJson": "", "censorStatus": "CENSOR\_SUCCESS", "censorTxId": "892720", "censorTime": "1734661081049", "censorFailCode": "", "censorFailReason": "", "l2TxId": "1084271", "l2RejectTime": "0", "l2RejectCode": "", "l2RejectReason": "", "l2ApprovedTime": "0", "createdTime": "1734661081049", "updatedTime": "1734661081053" } ], "nextPageOffsetData": "" }, "msg": null, "errorParam": null, "requestTime": "1734661416266", "responseTime": "1734661416277", "traceId": "a87a52a4e189045b7b7b9948ea7b5c54"}

**Response**

Status Code

Status Code Description

Description

Data Model

200

[OK](https://tools.ietf.org/html/rfc7231" \l "section-6.3.1)

default response

[Result](https://edgex-1.gitbook.io/edgeX-documentation/api/private-api/account-api" \l "positiontransaction)

**GET Get Position Term Page by Account ID**

GET /api/v1/private/account/getPositionTermPage

**Request Parameters**

Name

Location

Type

Required

Description

accountId

query

string

No

Account ID

size

query

string

No

Number of items to retrieve. Must be greater than 0 and less than or equal to 100

offsetData

query

string

No

Pagination offset. If empty or not provided, the first page is retrieved

filterCoinIdList

query

string

No

Filter position term records by specified coin IDs. If not provided, all position term records are retrieved

filterContractIdList

query

string

No

Filter position term records by specified contract IDs. If not provided, all position term records are retrieved

filterIsLongPosition

query

string

No

Filter position term records by position direction. If not provided, all position term records are retrieved

filterStartCreatedTimeInclusive

query

string

No

Filter position term records created after or at the specified start time (inclusive). If not provided or 0, retrieves records from the earliest time

filterEndCreatedTimeExclusive

query

string

No

Filter position term records created before the specified end time (exclusive). If not provided or 0, retrieves records up to the latest time

Response Example

200 Response

Copy

{ "code": "SUCCESS", "data": { "dataList": [ { "userId": "543429922866069763", "accountId": "543429922991899150", "coinId": "1000", "contractId": "10000001", "termCount": 2, "cumOpenSize": "0.001", "cumOpenValue": "96.813000", "cumOpenFee": "-0.048406", "cumCloseSize": "0", "cumCloseValue": "0", "cumCloseFee": "0", "cumFundingFee": "0", "cumLiquidateFee": "0", "createdTime": "1734661093450", "updatedTime": "1734661093450", "currentLeverage": "50" }, { "userId": "543429922866069763", "accountId": "543429922991899150", "coinId": "1000", "contractId": "10000001", "termCount": 1, "cumOpenSize": "0.001", "cumOpenValue": "96.813200", "cumOpenFee": "-0.048406", "cumCloseSize": "-0.001", "cumCloseValue": "-96.857100", "cumCloseFee": "-0.048428", "cumFundingFee": "0", "cumLiquidateFee": "0", "createdTime": "1734661018663", "updatedTime": "1734661081053", "currentLeverage": "50" } ], "nextPageOffsetData": "" }, "msg": null, "errorParam": null, "requestTime": "1734661416272", "responseTime": "1734661416281", "traceId": "ad4515e50fa7a57610736753d8f987aa"}

**Response**

Status Code

Status Code Description

Description

Data Model

200

[OK](https://tools.ietf.org/html/rfc7231" \l "section-6.3.1)

default response

[Result](https://edgex-1.gitbook.io/edgeX-documentation/api/private-api/account-api" \l "positionterm)

**GET Get Position By Account ID and Contract ID**

GET /api/v1/private/account/getPositionByContractId

**Request Parameters**

Name

Location

Type

Required

Description

accountId

query

string

No

Account ID

contractIdList

query

string

No

Specified contract IDs

Response Example

200 Response

Copy

{ "code": "SUCCESS", "data": [ { "userId": "543429922866069763", "accountId": "543429922991899150", "coinId": "1000", "contractId": "10000001", "openSize": "0.001", "openValue": "97.444500", "openFee": "-0.017540", "fundingFee": "0.000000", "longTermCount": 3, "longTermStat": { "cumOpenSize": "0.001", "cumOpenValue": "97.444500", "cumOpenFee": "-0.017540", "cumCloseSize": "0", "cumCloseValue": "0", "cumCloseFee": "0", "cumFundingFee": "0", "cumLiquidateFee": "0" }, "longTermCreatedTime": "1734662617992", "longTermUpdatedTime": "1734662617992", "shortTermCount": 0, "shortTermStat": { "cumOpenSize": "0", "cumOpenValue": "0", "cumOpenFee": "0", "cumCloseSize": "0", "cumCloseValue": "0", "cumCloseFee": "0", "cumFundingFee": "0", "cumLiquidateFee": "0" }, "shortTermCreatedTime": "0", "shortTermUpdatedTime": "0", "longTotalStat": { "cumOpenSize": "0.004", "cumOpenValue": "388.464500", "cumOpenFee": "-0.131882", "cumCloseSize": "-0.003", "cumCloseValue": "-291.736700", "cumCloseFee": "-0.083506", "cumFundingFee": "0", "cumLiquidateFee": "0" }, "shortTotalStat": { "cumOpenSize": "0", "cumOpenValue": "0", "cumOpenFee": "0", "cumCloseSize": "0", "cumCloseValue": "0", "cumCloseFee": "0", "cumFundingFee": "0", "cumLiquidateFee": "0" }, "createdTime": "1734661018663", "updatedTime": "1734662617992" } ], "msg": null, "errorParam": null, "requestTime": "1734664849770", "responseTime": "1734664849790", "traceId": "17a421d1b23652c5b3836239274b0352"}

**Response**

Status Code

Status Code Description

Description

Data Model

200

[OK](https://tools.ietf.org/html/rfc7231" \l "section-6.3.1)

default response

Inline

**Response Data Structure**

**GET Get Collateral Transaction Page by Account ID**

GET /api/v1/private/account/getCollateralTransactionPage

**Request Parameters**

Name

Location

Type

Required

Description

accountId

query

string

No

Account ID

size

query

string

No

Number of items to retrieve. Must be greater than 0 and less than or equal to 100

offsetData

query

string

No

Pagination offset. If empty or not provided, the first page is retrieved

filterCoinIdList

query

string

No

Filter collateral transaction records by specified coin IDs. If not provided, all collateral transaction records are retrieved

filterTypeList

query

string

No

Filter collateral transaction records by specified transaction types. If not provided, all collateral transaction records are retrieved

filterStartCreatedTimeInclusive

query

string

No

Filter collateral transaction records created after or at the specified start time (inclusive). If not provided or 0, retrieves records from the earliest time

filterEndCreatedTimeExclusive

query

string

No

Filter collateral transaction records created before the specified end time (exclusive). If not provided or 0, retrieves records up to the latest time

Response Example

200 Response

Copy

{ "code": "SUCCESS", "data": { "dataList": [ { "id": "564815957260763406", "userId": "543429922866069763", "accountId": "543429922991899150", "coinId": "1000", "contractId": "10000001", "orderId": "564815695875932430", "orderSide": "BUY", "fillSize": "0.001", "fillValue": "97.4445", "fillFee": "0.017540", "fillPrice": "97444.5", "liquidateFee": "0", "realizePnl": "-0.017540", "direction": "MAKER", "isPositionTpsl": false, "isLiquidate": false, "isDeleverage": false, "isWithoutMatch": false, "matchSequenceId": "35196430", "matchIndex": 0, "matchTime": "1734662617982", "matchAccountId": "555790606509539863", "matchOrderId": "564815957235597591", "matchFillId": "05d14491-db7d-478a-9d9f-2dc55c3ff3ca", "positionTransactionId": "564815957294318862", "collateralTransactionId": "564815957294317838", "extraType": "", "extraDataJson": "", "censorStatus": "CENSOR\_SUCCESS", "censorTxId": "893031", "censorTime": "1734662617988", "censorFailCode": "", "censorFailReason": "", "l2TxId": "1084582", "l2RejectTime": "0", "l2RejectCode": "", "l2RejectReason": "", "l2ApprovedTime": "0", "createdTime": "1734662617984", "updatedTime": "1734662617992" } ], "nextPageOffsetData": "" }, "msg": null, "errorParam": null, "requestTime": "1734662681040", "responseTime": "1734662681051", "traceId": "770fcce6222c2d88b65b4ecb36e84c43"}

**Response**

Status Code

Status Code Description

Description

Data Model

200

[OK](https://tools.ietf.org/html/rfc7231" \l "section-6.3.1)

default response

Inline

**Response Data Structure**

**GET Get Collateral Transactions By Account ID and Transaction ID**

GET /api/v1/private/account/getCollateralTransactionById

**Request Parameters**

Name

Location

Type

Required

Description

accountId

query

string

No

Account ID

collateralTransactionIdList

query

string

No

Collateral Transaction IDs

Response Example

200 Response

Copy

{ "code": "SUCCESS", "data": [ { "id": "563516408265179918", "userId": "543429922866069763", "accountId": "543429922991899150", "coinId": "1000", "type": "DEPOSIT", "deltaAmount": "10.000000", "deltaLegacyAmount": "10.000000", "beforeAmount": "6.000000", "beforeLegacyAmount": "6.000000", "fillCloseSize": "", "fillCloseValue": "", "fillCloseFee": "", "fillOpenSize": "", "fillOpenValue": "", "fillOpenFee": "", "fillPrice": "", "liquidateFee": "", "realizePnl": "", "isLiquidate": false, "isDeleverage": false, "fundingTime": "0", "fundingRate": "", "fundingIndexPrice": "", "fundingOraclePrice": "", "fundingPositionSize": "", "depositId": "563516408235819790", "withdrawId": "0", "transferInId": "0", "transferOutId": "0", "transferReason": "UNKNOWN\_TRANSFER\_REASON", "orderId": "0", "orderFillTransactionId": "0", "orderAccountId": "0", "positionContractId": "0", "positionTransactionId": "0", "forceWithdrawId": "0", "forceTradeId": "0", "extraType": "", "extraDataJson": "", "censorStatus": "L2\_APPROVED", "censorTxId": "830852", "censorTime": "1734352781355", "censorFailCode": "", "censorFailReason": "", "l2TxId": "1022403", "l2RejectTime": "0", "l2RejectCode": "", "l2RejectReason": "", "l2ApprovedTime": "1734353551654", "createdTime": "1734352781355", "updatedTime": "1734353551715" } ], "msg": null, "errorParam": null, "requestTime": "1734664486740", "responseTime": "1734664486761", "traceId": "b3086f53c2d4503f6a4790b80f0e534b"}

**Response**

Status Code

Status Code Description

Description

Data Model

200

[OK](https://tools.ietf.org/html/rfc7231" \l "section-6.3.1)

default response

Inline

**Response Data Structure**

**GET Get Collateral By Account ID and Coin ID**

GET /api/v1/private/account/getCollateralByCoinId

**Request Parameters**

Name

Location

Type

Required

Description

accountId

query

string

No

Account ID

coinIdList

query

string

No

Filter collateral information by specified coin IDs. If not provided, all collateral information is retrieved

Response Example

200 Response

Copy

{ "code": "SUCCESS", "data": [ { "userId": "543429922866069763", "accountId": "543429922991899150", "coinId": "1000", "amount": "-81.943188", "legacyAmount": "15.501312", "cumDepositAmount": "70.000000", "cumWithdrawAmount": "0", "cumTransferInAmount": "0", "cumTransferOutAmount": "-55.000000", "cumPositionBuyAmount": "-388.4645", "cumPositionSellAmount": "291.7367", "cumFillFeeAmount": "-0.215388", "cumFundingFeeAmount": "0", "cumFillFeeIncomeAmount": "0", "createdTime": "1730204434094", "updatedTime": "1734663352066" } ], "msg": null, "errorParam": null, "requestTime": "1734664569244", "responseTime": "1734664569260", "traceId": "4b7ff82fb92aa3b10d9fc0367a069270"}

**Response**

Status Code

Status Code Description

Description

Data Model

200

[OK](https://tools.ietf.org/html/rfc7231" \l "section-6.3.1)

default response

Inline

**Response Data Structure**

**GET Get Account Page by User ID**

GET /api/v1/private/account/getAccountPage

**Request Parameters**

Name

Location

Type

Required

Description

size

query

string

No

Number of items to retrieve. Must be greater than 0 and less than or equal to 100

offsetData

query

string

No

Pagination offset. If empty or not provided, the first page is retrieved

Response Example

200 Response

Copy

{ "code": "SUCCESS", "data": { "dataList": [ { "id": "543429922991899150", "userId": "543429922866069763", "ethAddress": "0x1fB51aa234287C3CA1F957eA9AD0E148Bb814b7A", "l2Key": "0x5580341e2c99823a0a35356b8ac84e372dd38fd1f4b50f607b931ec8038c211", "l2KeyYCoordinate": "0x6ea3dd81a7fc864893c8c6f674e4a4510c369f939bdc0259a0980dfde882c2d", "clientAccountId": "main", "isSystemAccount": false, "defaultTradeSetting": { "isSetFeeRate": true, "takerFeeRate": "0.000500", "makerFeeRate": "0.000180", "isSetFeeDiscount": false, "takerFeeDiscount": "0", "makerFeeDiscount": "0", "isSetMaxLeverage": false, "maxLeverage": "0" }, "contractIdToTradeSetting": { "10000001": { "isSetFeeRate": false, "takerFeeRate": "", "makerFeeRate": "", "isSetFeeDiscount": false, "takerFeeDiscount": "", "makerFeeDiscount": "", "isSetMaxLeverage": true, "maxLeverage": "50" } }, "maxLeverageLimit": "0", "createOrderPerMinuteLimit": 0, "createOrderDelayMillis": 0, "extraType": "", "extraDataJson": "", "status": "NORMAL", "isLiquidating": false, "createdTime": "1730204434094", "updatedTime": "1733993378059" } ], "nextPageOffsetData": "551109015904453258" }, "msg": null, "errorParam": null, "requestTime": "1734661416005", "responseTime": "1734661416008", "traceId": "dc6a8442169c8cdb831ceb15c812b7fc"}

**Response**

Status Code

Status Code Description

Description

Data Model

200

[OK](https://tools.ietf.org/html/rfc7231" \l "section-6.3.1)

default response

[Result](https://edgex-1.gitbook.io/edgeX-documentation/api/private-api/account-api" \l "schemaresultaccount)

**GET Get Account Deleverage Light**

GET /api/v1/private/account/getAccountDeleverageLight

**Request Parameters**

Name

Location

Type

Required

Description

accountId

query

string

No

Account ID

Response Example

200 Response

Copy

{ "code": "SUCCESS", "data": { "positionContractIdToLightNumberMap": { "10000001": 3 } }, "msg": null, "errorParam": null, "requestTime": "1734661307929", "responseTime": "1734661307935", "traceId": "202ee8ba15ab633b68a35a8bc9756952"}

**Response**

Status Code

Status Code Description

Description

Data Model

200

[OK](https://tools.ietf.org/html/rfc7231" \l "section-6.3.1)

default response

[Result](https://edgex-1.gitbook.io/edgeX-documentation/api/private-api/account-api" \l "getaccountdeleveragelight)

**GET Get Account By Account ID**

GET /api/v1/private/account/getAccountById

**Request Parameters**

Name

Location

Type

Required

Description

accountId

query

string

No

Account ID

Response Example

200 Response

Copy

{ "code": "SUCCESS", "data": { "id": "543429922991899150", "userId": "543429922866069763", "ethAddress": "0x1fB51aa234287C3CA1F957eA9AD0E148Bb814b7A", "l2Key": "0x5580341e2c99823a0a35356b8ac84e372dd38fd1f4b50f607b931ec8038c211", "l2KeyYCoordinate": "0x6ea3dd81a7fc864893c8c6f674e4a4510c369f939bdc0259a0980dfde882c2d", "clientAccountId": "main", "isSystemAccount": false, "defaultTradeSetting": { "isSetFeeRate": true, "takerFeeRate": "0.000500", "makerFeeRate": "0.000180", "isSetFeeDiscount": false, "takerFeeDiscount": "0", "makerFeeDiscount": "0", "isSetMaxLeverage": false, "maxLeverage": "0" }, "contractIdToTradeSetting": { "10000001": { "isSetFeeRate": false, "takerFeeRate": "", "makerFeeRate": "", "isSetFeeDiscount": false, "takerFeeDiscount": "", "makerFeeDiscount": "", "isSetMaxLeverage": true, "maxLeverage": "50" } }, "maxLeverageLimit": "0", "createOrderPerMinuteLimit": 0, "createOrderDelayMillis": 0, "extraType": "", "extraDataJson": "", "status": "NORMAL", "isLiquidating": false, "createdTime": "1730204434094", "updatedTime": "1733993378059" }, "msg": null, "errorParam": null, "requestTime": "1734664605752", "responseTime": "1734664605760", "traceId": "c7be70afbf00d7f879d2809e0f042dfe"}

**Response**

Status Code

Status Code Description

Description

Data Model

200

[OK](https://tools.ietf.org/html/rfc7231" \l "section-6.3.1)

default response

[Result](https://edgex-1.gitbook.io/edgeX-documentation/api/private-api/account-api" \l "account)

**GET Account Asset**

GET /api/v1/private/account/getAccountAsset

**Request Parameters**

Name

Location

Type

Required

Description

accountId

query

string

No

Account ID

Response Example

200 Response

Copy

{ "code": "SUCCESS", "data": { "account": { "id": "543429922991899150", "userId": "543429922866069763", "ethAddress": "0x1fB51aa234287C3CA1F957eA9AD0E148Bb814b7A", "l2Key": "0x5580341e2c99823a0a35356b8ac84e372dd38fd1f4b50f607b931ec8038c211", "l2KeyYCoordinate": "0x6ea3dd81a7fc864893c8c6f674e4a4510c369f939bdc0259a0980dfde882c2d", "clientAccountId": "main", "isSystemAccount": false, "defaultTradeSetting": { "isSetFeeRate": true, "takerFeeRate": "0.000500", "makerFeeRate": "0.000180", "isSetFeeDiscount": false, "takerFeeDiscount": "0", "makerFeeDiscount": "0", "isSetMaxLeverage": false, "maxLeverage": "0" }, "contractIdToTradeSetting": { "10000001": { "isSetFeeRate": false, "takerFeeRate": "", "makerFeeRate": "", "isSetFeeDiscount": false, "takerFeeDiscount": "", "makerFeeDiscount": "", "isSetMaxLeverage": true, "maxLeverage": "50" } }, "maxLeverageLimit": "0", "createOrderPerMinuteLimit": 0, "createOrderDelayMillis": 0, "extraType": "", "extraDataJson": "", "status": "NORMAL", "isLiquidating": false, "createdTime": "1730204434094", "updatedTime": "1733993378059" }, "collateralList": [ { "userId": "543429922866069763", "accountId": "543429922991899150", "coinId": "1000", "amount": "-81.943188", "legacyAmount": "15.501312", "cumDepositAmount": "70.000000", "cumWithdrawAmount": "0", "cumTransferInAmount": "0", "cumTransferOutAmount": "-55.000000", "cumPositionBuyAmount": "-388.4645", "cumPositionSellAmount": "291.7367", "cumFillFeeAmount": "-0.215388", "cumFundingFeeAmount": "0", "cumFillFeeIncomeAmount": "0", "createdTime": "1730204434094", "updatedTime": "1734663352066" } ], "positionList": [ { "userId": "543429922866069763", "accountId": "543429922991899150", "coinId": "1000", "contractId": "10000001", "openSize": "0.001", "openValue": "97.444500", "openFee": "-0.017540", "fundingFee": "0.000000", "longTermCount": 3, "longTermStat": { "cumOpenSize": "0.001", "cumOpenValue": "97.444500", "cumOpenFee": "-0.017540", "cumCloseSize": "0", "cumCloseValue": "0", "cumCloseFee": "0", "cumFundingFee": "0", "cumLiquidateFee": "0" }, "longTermCreatedTime": "1734662617992", "longTermUpdatedTime": "1734662617992", "shortTermCount": 0, "shortTermStat": { "cumOpenSize": "0", "cumOpenValue": "0", "cumOpenFee": "0", "cumCloseSize": "0", "cumCloseValue": "0", "cumCloseFee": "0", "cumFundingFee": "0", "cumLiquidateFee": "0" }, "shortTermCreatedTime": "0", "shortTermUpdatedTime": "0", "longTotalStat": { "cumOpenSize": "0.004", "cumOpenValue": "388.464500", "cumOpenFee": "-0.131882", "cumCloseSize": "-0.003", "cumCloseValue": "-291.736700", "cumCloseFee": "-0.083506", "cumFundingFee": "0", "cumLiquidateFee": "0" }, "shortTotalStat": { "cumOpenSize": "0", "cumOpenValue": "0", "cumOpenFee": "0", "cumCloseSize": "0", "cumCloseValue": "0", "cumCloseFee": "0", "cumFundingFee": "0", "cumLiquidateFee": "0" }, "createdTime": "1734661018663", "updatedTime": "1734662617992" } ], "version": "1021", "positionAssetList": [ { "userId": "543429922866069763", "accountId": "543429922991899150", "coinId": "1000", "contractId": "10000001", "positionValue": "97.734426609240472316741943359375", "maxLeverage": "50", "initialMarginRequirement": "1.954688532184809446334838867187500000", "starkExRiskRate": "0.00500000012107193470001220703125", "starkExRiskValue": "0.48867214487909847796080764492643311314168386161327362060546875", "avgEntryPrice": "97444.5", "liquidatePrice": "82354.9", "bankruptPrice": "81943.1", "worstClosePrice": "81984.2", "unrealizePnl": "0.289926609240472316741943359375", "termRealizePnl": "0.000000", "totalRealizePnl": "0.716700" } ], "collateralAssetModelList": [ { "userId": "543429922866069763", "accountId": "543429922991899150", "coinId": "1000", "totalEquity": "15.791238609240472316741943359375", "totalPositionValueAbs": "97.734426609240472316741943359375", "initialMarginRequirement": "1.954688532184809446334838867187500000", "starkExRiskValue": "0.48867214487909847796080764492643311314168386161327362060546875", "pendingWithdrawAmount": "0", "pendingTransferOutAmount": "0", "orderFrozenAmount": "0", "availableAmount": "13.836550" } ], "oraclePriceList": [] }, "msg": null, "errorParam": null, "requestTime": "1734664627939", "responseTime": "1734664627957", "traceId": "4a3a5cd027ea6c255c8c944567b634f1"}

**Response**

Status Code

Status Code Description

Description

Data Model

200

[OK](https://tools.ietf.org/html/rfc7231" \l "section-6.3.1)

default response

[Result](https://edgex-1.gitbook.io/edgeX-documentation/api/private-api/account-api" \l "accountassetsnapshot)

**GET Get Account Asset Snapshot Page by Account ID**

GET /api/v1/private/account/getAccountAssetSnapshotPage

**Request Parameters**

Name

Location

Type

Required

Description

accountId

query

string

No

Account ID

size

query

string

No

Number of items to retrieve. Must be greater than 0 and less than or equal to 1000

offsetData

query

string

No

Pagination offset. If empty or not provided, the first page is retrieved

coinId

query

string

Yes

Filter by the specified coin ID.

filterTimeTag

query

string

No

Specifies time tag. If not provided or 0, returns snapshots by the hour. 1 returns snapshots by the day

filterStartTimeInclusive

query

string

No

Filter snapshots created after or at the specified start time (inclusive). If not provided or 0, retrieves records from the earliest time

filterEndTimeExclusive

query

string

No

Filter snapshots created before the specified end time (exclusive). If not provided or 0, retrieves records up to the latest time

Response Example

200 Response

Copy

{ "code": "SUCCESS", "data": { "dataList": [ { "userId": "543429922866069763", "accountId": "543429922991899150", "coinId": "1000", "timeTag": 1, "snapshotTime": "1734652800000", "totalEquity": "16.000000", "termRealizePnl": "0", "unrealizePnl": "0", "totalRealizePnl": "0" }, { "userId": "543429922866069763", "accountId": "543429922991899150", "coinId": "1000", "timeTag": 1, "snapshotTime": "1734566400000", "totalEquity": "16.000000", "termRealizePnl": "0", "unrealizePnl": "0", "totalRealizePnl": "0" } ], "nextPageOffsetData": "" }, "msg": null, "errorParam": null, "requestTime": "1734663257066", "responseTime": "1734663257075", "traceId": "f52222cd41b6ff8bcd059a57ecd986a1"}

**Response**

Status Code

Status Code Description

Description

Data Model

200

[OK](https://tools.ietf.org/html/rfc7231" \l "section-6.3.1)

default response

[Result](https://edgex-1.gitbook.io/edgeX-documentation/api/private-api/account-api" \l "accountassetsnapshot>)

**Data Models**

**accountassetsnapshot**

Name

Type

Required

Constraints

Description

Notes

code

string

false

none

Status Code

Returns "SUCCESS" on success; otherwise, it indicates failure.

data

[PageDataAccountAssetSnapshot](https://edgex-1.gitbook.io/edgeX-documentation/api/private-api/account-api" \l "schemapagedataaccountassetsnapshot)

false

none

Generic Paginated Response

errorParam

object

false

none

Error Parameters

Error message parameter information

» **additionalProperties**

string

false

none

Error Parameters

Error message parameter information

requestTime

string(timestamp)

false

none

Server Request Time

Time at which the server received the request

responseTime

string(timestamp)

false

none

Server Response Time

Time at which the server sent the response

traceId

string

false

none

Trace ID

Invocation trace ID

**schemapagedataaccountassetsnapshot**

Name

Type

Required

Constraints

Description

Notes

dataList

[[AccountAssetSnapshot](https://edgex-1.gitbook.io/edgeX-documentation/api/private-api/account-api" \l "schemaaccountassetsnapshot)]

false

none

Data List

nextPageOffsetData

string

false

none

Next Page Offset

Offset for retrieving the next page. If no next page data, empty string.

**schemaaccountassetsnapshot**

Name

Type

Required

Constraints

Description

Notes

userId

string(int64)

false

none

User ID

ID of the owning user

accountId

string(int64)

false

none

Account ID

ID of the owning account

coinId

string(int64)

false

none

Collateral Coin ID

ID of the associated collateral coin

timeTag

integer(int32)

false

none

Time Tag

Time tag. 1 represents the snapshot time is for the whole day.

snapshotTime

string(int64)

false

none

Snapshot Time

Snapshot time, hourly timestamp at the top of the hour.

totalEquity

string

false

none

Total Collateral Value

Current total value of the collateral

termRealizePnl

string

false

none

Term Realized PnL

Realized PnL for the term

unrealizePnl

string

false

none

Unrealized PnL

Unrealized PnL

totalRealizePnl

string

false

none

Total Realized PnL

Total realized PnL of the position

**schemaresultgetaccountasset**

Name

Type

Required

Constraints

Description

Notes

code

string

false

none

Status Code

Returns "SUCCESS" on success; otherwise, it indicates failure.

data

[GetAccountAsset](https://edgex-1.gitbook.io/edgeX-documentation/api/private-api/account-api" \l "schemagetaccountasset)

false

none

Get Account Asset Response

Response structure for fetching account asset data.

errorParam

object

false

none

Error Parameters

Error message parameter information

requestTime

string(timestamp)

false

none

Server Request Time

Time at which the server received the request

responseTime

string(timestamp)

false

none

Server Response Time

Time at which the server sent the response

traceId

string

false

none

Trace ID

Invocation trace ID

**schemagetaccountasset**

Name

Type

Required

Constraints

Description

Notes

account

[Account](https://edgex-1.gitbook.io/edgeX-documentation/api/private-api/account-api" \l "schemaaccount)

false

none

Account Information

Account information data.

collateralList

[[Collateral](https://edgex-1.gitbook.io/edgeX-documentation/api/private-api/account-api" \l "schemacollateral)]

false

none

Collateral Information List

List of collateral information data.

positionList

[[Position](https://edgex-1.gitbook.io/edgeX-documentation/api/private-api/account-api" \l "schemaposition)]

false

none

Perpetual Contract Position List

List of perpetual contract position information.

version

string(int64)

false

none

Account Version

Account version number, incremented with each update.

positionAssetList

[[PositionAsset](https://edgex-1.gitbook.io/edgeX-documentation/api/private-api/account-api" \l "schemapositionasset)]

false

none

Position Asset Information List

List of position asset information.

collateralAssetModelList

[[CollateralAsset](https://edgex-1.gitbook.io/edgeX-documentation/api/private-api/account-api" \l "schemacollateralasset)]

false

none

Account-Level Asset Information List

List of account-level asset information.

oraclePriceList

[[IndexPrice](https://edgex-1.gitbook.io/edgeX-documentation/api/private-api/account-api" \l "schemaindexprice)]

false

none

Oracle Price List

List of all oracle prices used to calculate assets (only those used).

**schemaindexprice**

Name

Type

Required

Constraints

Description

Notes

contractId

string(int64)

false

none

Contract ID

Contract ID

priceType

string

false

none

Price Type

priceValue

string

false

none

Price Value

Price value

createdTime

string(int64)

false

none

Creation Time

Time of creation

oraclePriceSignature

[[OraclePriceSignature](https://edgex-1.gitbook.io/edgeX-documentation/api/private-api/account-api" \l "schemaoraclepricesignature)]

false

none

Oracle Price Signature Information

Oracle price signature information, only exists when price\_type=ORACLE\_PRICE.

**Enumerated Values**

Property

Value

priceType

UNKNOWN\_PRICE\_TYPE

priceType

ORACLE\_PRICE

priceType

INDEX\_PRICE

priceType

LAST\_PRICE

priceType

ASK1\_PRICE

priceType

BID1\_PRICE

priceType

OPEN\_INTEREST

priceType

UNRECOGNIZED

**schemaoraclepricesignature**

Name

Type

Required

Constraints

Description

Notes

contractId

string(int64)

false

none

Contract ID

Contract ID

signer

string

false

none

Signer ID

Signer identifier

price

string

false

none

Signed Price

The price signed (price after stark ex precision processing)

externalAssetId

string

false

none

Concatenated Asset and Oracle Names

Concatenation of the asset name and the oracle name (both in hex encoding).

signature

[L2Signature](https://edgex-1.gitbook.io/edgeX-documentation/api/private-api/account-api" \l "schemal2signature)

false

none

L2 Signature Information

L2 signature information

timestamp

string(int64)

false

none

Signature Creation Time

The time the signature was created.

**schemal2signature**

Name

Type

Required

Constraints

Description

Notes

r

string

false

none

R Value

Bigint for hex string

s

string

false

none

S Value

Bigint for hex string

v

string

false

none

V Value

Bigint for hex string

**schemacollateralasset**

Name

Type

Required

Constraints

Description

Notes

userId

string(int64)

false

none

User ID

ID of the owning user.

accountId

string(int64)

false

none

Account ID

ID of the owning account.

coinId

string(int64)

false

none

Collateral Coin ID

ID of the associated collateral coin.

totalEquity

string

false

none

Total Collateral Value

Current total value of the collateral.

totalPositionValueAbs

string

false

none

Sum of Absolute Position Values

Sum of the absolute position values for the current collateral

initialMarginRequirement

string

false

none

Initial Margin Requirement

The initial margin requirement for the current collateral.

starkExRiskValue

string

false

none

Total StarkEx Risk Value

The total starkEx risk amount for the current collateral.

pendingWithdrawAmount

string

false

none

Pending Withdrawal Amount

The amount of collateral pending withdrawal.

pendingTransferOutAmount

string

false

none

Pending Transfer Out Amount

The amount of collateral pending transfer out.

orderFrozenAmount

string

false

none

Order Frozen Amount

The amount of collateral frozen by orders.

availableAmount

string

false

none

Available Amount

The amount of collateral available for use.

**schemapositionasset**

Name

Type

Required

Constraints

Description

Notes

userId

string(int64)

false

none

User ID

ID of the owning user.

accountId

string(int64)

false

none

Account ID

ID of the owning account.

coinId

string(int64)

false

none

Collateral Coin ID

ID of the associated collateral coin.

contractId

string(int64)

false

none

Contract ID

ID of the associated contract.

positionValue

string

false

none

Position Value

Position value, positive for long positions, negative for short positions.

maxLeverage

string

false

none

Maximum Leverage

The maximum leverage for current contract position.

initialMarginRequirement

string

false

none

Initial Margin Requirement

Initial margin requirement for the position.

starkExRiskRate

string

false

none

StarkEx Risk Rate

StarkEx risk rate calculated based on risk tiers. Similar to maintenance margin rate with different precision.

starkExRiskValue

string

false

none

StarkEx Risk Value

StarkEx risk amount, similar to maintenance margin, with different precision.

avgEntryPrice

string

false

none

Average Entry Price

Average entry price.

liquidatePrice

string

false

none

Liquidation Price

Liquidation price (force liquidation price). If oracle price reaches this price, liquidation is triggered.

bankruptPrice

string

false

none

Bankruptcy Price

Bankruptcy price. If the oracle price reaches this level, account total value is less than 0.

worstClosePrice

string

false

none

Worst Close Price

The worst closing price. The closing transaction price can not be worse than this price.

unrealizePnl

string

false

none

Unrealized PnL

Unrealized profit and loss for the position.

termRealizePnl

string

false

none

Term Realized PnL

Realized PnL for the term.

totalRealizePnl

string

false

none

Total Realized PnL

Total realized PnL of the position.

**schemaposition**

Name

Type

Required

Constraints

Description

Notes

userId

string(int64)

false

none

User ID

ID of the owning user.

accountId

string(int64)

false

none

Account ID

ID of the owning account.

coinId

string(int64)

false

none

Collateral Coin ID

ID of the associated collateral coin.

contractId

string(int64)

false

none

Contract ID

ID of the associated contract.

openSize

string

false

none

Current Open Size

Current open size (positive for long, negative for short).

openValue

string

false

none

Current Open Value

Current open value (increases upon opening, proportionally decreases upon closing).

openFee

string

false

none

Current Open Fee

Current allocated open fee (increases upon opening, proportionally decreases upon closing).

fundingFee

string

false

none

Current Funding Fee

Current allocated funding fee (increases upon settlement, proportionally decreases upon closing).

longTermCount

integer(int32)

false

none

Long Position Term Count

Long position term count. Starts from 1, increases by one upon complete closure of a position

longTermStat

[PositionStat](https://edgex-1.gitbook.io/edgeX-documentation/api/private-api/account-api" \l "schemapositionstat)

false

none

Long Position Cumulative Statistics

Cumulative statistics for the position.

longTermCreatedTime

string

false

none

Long Position Term Creation Time

Creation time for the long position term.

longTermUpdatedTime

string

false

none

Long Position Term Update Time

Update time for the long position term.

shortTermCount

integer(int32)

false

none

Short Position Term Count

Short position term count. Starts from 1, increases by one upon complete closure of a position

shortTermStat

[PositionStat](https://edgex-1.gitbook.io/edgeX-documentation/api/private-api/account-api" \l "schemapositionstat)

false

none

Short Position Cumulative Statistics

Cumulative statistics for the position.

shortTermCreatedTime

string

false

none

Short Position Term Creation Time

Creation time for the short position term.

shortTermUpdatedTime

string

false

none

Short Position Term Update Time

Update time for the short position term.

longTotalStat

[PositionStat](https://edgex-1.gitbook.io/edgeX-documentation/api/private-api/account-api" \l "schemapositionstat)

false

none

Long Cumulative Statistics

Cumulative statistics for the position.

shortTotalStat

[PositionStat](https://edgex-1.gitbook.io/edgeX-documentation/api/private-api/account-api" \l "schemapositionstat)

false

none

Short Cumulative Statistics

Cumulative statistics for the position.

createdTime

string(int64)

false

none

Creation Time

Creation time.

updatedTime

string(int64)

false

none

Update Time

Update time.

**schemapositionstat**

Name

Type

Required

Constraints

Description

Notes

cumOpenSize

string

false

none

Cumulative Open Size

Cumulative open size.

cumOpenValue

string

false

none

Cumulative Open Value

Cumulative open value.

cumOpenFee

string

false

none

Cumulative Open Fee

Cumulative open fees.

cumCloseSize

string

false

none

Cumulative Close Size

Cumulative close size.

cumCloseValue

string

false

none

Cumulative Close Value

Cumulative close value.

cumCloseFee

string

false

none

Cumulative Close Fee

Cumulative close fees.

cumFundingFee

string

false

none

Cumulative Funding Fee

Cumulative funding fees settled.

cumLiquidateFee

string

false

none

Cumulative Liquidate Fee

Cumulative liquidation fees.

**schemacollateral**

Name

Type

Required

Constraints

Description

Notes

userId

string(int64)

false

none

User ID

ID of the owning user.

accountId

string(int64)

false

none

Account ID

ID of the owning account.

coinId

string(int64)

false

none

Coin ID

Collateral coin ID.

amount

string(decimal)

false

none

Collateral Amount

Collateral amount, actually of decimal type.

legacyAmount

string(decimal)

false

none

Legacy Amount

Legacy balance field, for display purposes only, not for calculations.

cumDepositAmount

string(decimal)

false

none

Cumulative Deposit Amount

Cumulative deposit amount.

cumWithdrawAmount

string(decimal)

false

none

Cumulative Withdrawal Amount

Cumulative withdrawal amount.

cumTransferInAmount

string(decimal)

false

none

Cumulative Transfer In Amount

Cumulative transfer in amount.

cumTransferOutAmount

string(decimal)

false

none

Cumulative Transfer Out Amount

Cumulative transfer out amount.

cumPositionBuyAmount

string(decimal)

false

none

Cumulative Position Buy Amount

Cumulative collateral amount deducted from position buy.

cumPositionSellAmount

string(decimal)

false

none

Cumulative Position Sell Amount

Cumulative collateral amount added from position sell.

cumFillFeeAmount

string(decimal)

false

none

Cumulative Fill Fee Amount

Cumulative transaction fee amount.

cumFundingFeeAmount

string(decimal)

false

none

Cumulative Funding Fee Amount

Cumulative funding fee amount.

cumFillFeeIncomeAmount

string(decimal)

false

none

Cumulative Order Fill Fee Income Amount

Cumulative amount from order fill fee income.

createdTime

string(int64)

false

none

Creation Time

Creation time.

updatedTime

string(int64)

false

none

Update Time

Update time.

**schemaaccount**

Name

Type

Required

Constraints

Description

Notes

id

string(int64)

false

none

Account ID

Account ID, must be greater than 0.

userId

string(int64)

false

none

User ID

ID of the owning user.

ethAddress

string

false

none

Wallet ETH Address

Wallet ETH address.

l2Key

string

false

none

L2 Account Key

Account key on L2. Stark key in starkEx. Bigint for hex string

l2KeyYCoordinate

string

false

none

L2 Key Y Coordinate

Used only for verifying l2Signature. Not returned to end users. Bigint for hex string.

clientAccountId

string

false

none

Client Account ID

Client account ID for idempotency check.

isSystemAccount

boolean

false

none

System Account

Whether it is a system account (system accounts are not subject to contract risk settings, use separate MQ for trade messages).

defaultTradeSetting

[TradeSetting](https://edgex-1.gitbook.io/edgeX-documentation/api/private-api/account-api" \l "schematradesetting)

false

none

Default Trade Setting

Trade settings. Trade setting calculation priority: Account contract trade settings -> Account default trade settings -> Contract configuration trade settings. Note: Only one of is\_set\_fee\_rate and is\_set\_fee\_discount can be true.

contractIdToTradeSetting

object

false

none

Contract-Level Account Trade Settings

Account contract-level trade settings.

» **additionalProperties**

[TradeSetting](https://edgex-1.gitbook.io/edgeX-documentation/api/private-api/account-api" \l "schematradesetting)

false

none

Contract-Level Account Trade Settings

Trade settings. Trade setting calculation priority: Account contract trade settings -> Account default trade settings -> Contract configuration trade settings. Note: Only one of is\_set\_fee\_rate and is\_set\_fee\_discount can be true.

maxLeverageLimit

string

false

none

Maximum Leverage Limit

User-set maximum leverage limit. If 0, uses the leverage limit of the corresponding trading contract.

createOrderPerMinuteLimit

integer(int32)

false

none

Order Creation Limit per Minute

Order frequency limit per minute. If 0, default limit is used; if < 0, no limit is applied.

createOrderDelayMillis

integer(int32)

false

none

Order Creation Delay Milliseconds

Order delay milliseconds, must be greater than or equal to 0.

extraType

string

false

none

Extra Type

Extra type for upper-layer use.

extraDataJson

string

false

none

Extra Data

Extra data in JSON format, default is an empty string.

status

string

false

none

Account Status

Account status.

isLiquidating

boolean

false

none

Is Liquidating

Whether is being liquidated.

createdTime

string(int64)

false

none

Creation Time

Creation time.

updatedTime

string(int64)

false

none

Update Time

Update time.

**Enumerated Values**

Property

Value

status

UNKNOWN\_ACCOUNT\_STATUS

status

CENSORING

status

NORMAL

status

DISABLED

status

INVALID

status

UNRECOGNIZED

**schematradesetting**

Name

Type

Required

Constraints

Description

Notes

isSetFeeRate

boolean

false

none

Whether Fee Rate is Set

Whether to set a specific fee rate value.

takerFeeRate

string(decimal)

false

none

Taker Fee Rate

Taker fee rate, range [0, 1), valid only when is\_set\_fee\_rate=true.

makerFeeRate

string(decimal)

false

none

Maker Fee Rate

Maker fee rate, range [0, 1), valid only when is\_set\_fee\_rate=true.

isSetFeeDiscount

boolean

false

none

Whether Fee Discount is Set

Whether to set a fee discount.

takerFeeDiscount

string(decimal)

false

none

Taker Fee Discount

Taker fee discount, range [0, 1), valid only when is\_set\_fee\_discount=true.

makerFeeDiscount

string(decimal)

false

none

Maker Fee Discount

Maker fee discount, range [0, 1), valid only when is\_set\_fee\_discount=true.

isSetMaxLeverage

boolean

false

none

Whether Maximum Leverage is Set

Whether to set maximum trading leverage.

maxLeverage

string(decimal)

false

none

Maximum Leverage

Maximum trading leverage.

**schemaresultaccount**

Name

Type

Required

Constraints

Description

Notes

code

string

false

none

Status Code

Returns "SUCCESS" on success; otherwise, it indicates failure.

data

[Account](https://edgex-1.gitbook.io/edgeX-documentation/api/private-api/account-api" \l "schemaaccount)

false

none

Account Information

Account information data.

errorParam

object

false

none

Error Parameters

Error message parameter information

requestTime

string(timestamp)

false

none

Server Request Time

Time at which the server received the request

responseTime

string(timestamp)

false

none

Server Response Time

Time at which the server sent the response

traceId

string

false

none

Trace ID

Invocation trace ID

**getaccountdeleveragelight**

Name

Type

Required

Constraints

Description

Notes

code

string

false

none

Status Code

Returns "SUCCESS" on success; otherwise, it indicates failure.

data

[GetAccountDeleverageLight](https://edgex-1.gitbook.io/edgeX-documentation/api/private-api/account-api" \l "schemagetaccountdeleveragelight)

false

none

Get Account Deleverage Light Response

Response structure for fetching deleverage light information.

errorParam

object

false

none

Error Parameters

Error message parameter information

requestTime

string(timestamp)

false

none

Server Request Time

Time at which the server received the request

responseTime

string(timestamp)

false

none

Server Response Time

Time at which the server sent the response

traceId

string

false

none

Trace ID

Invocation trace ID

**Response structure for fetching deleverage light information.**

Name

Type

Required

Constraints

Description

Notes

positionContractIdToLightNumberMap

object

false

none

Map from Position Contract ID to Light Number

Maps position contract ID to light number. light\_number ranges from 1-5, which represent 1-5 lights.

**account**

Name

Type

Required

Constraints

Description

Notes

code

string

false

none

Status Code

Returns "SUCCESS" on success; otherwise, it indicates failure.

data

[PageDataAccount](https://edgex-1.gitbook.io/edgeX-documentation/api/private-api/account-api" \l "schemapagedataaccount)

false

none

Generic Paginated Response

Generic paginated response.

errorParam

object

false

none

Error Parameters

Error message parameter information

requestTime

string(timestamp)

false

none

Server Request Time

Time at which the server received the request

responseTime

string(timestamp)

false

none

Server Response Time

Time at which the server sent the response

traceId

string

false

none

Trace ID

Invocation trace ID

**Generic Paginated Response**

Name

Type

Required

Constraints

Description

Notes

dataList

[[Account](https://edgex-1.gitbook.io/edgeX-documentation/api/private-api/account-api" \l "schemaaccount)]

false

none

Data List

List of account data.

nextPageOffsetData

string

false

none

Next Page Offset

Offset for retrieving the next page. If no next page data, empty string.

**collateral**

Name

Type

Required

Constraints

Description

Notes

code

string

false

none

Status Code

Returns "SUCCESS" on success; otherwise, it indicates failure.

data

[[Collateral](https://edgex-1.gitbook.io/edgeX-documentation/api/private-api/account-api" \l "schemacollateral)]

false

none

Response Data

Correct response data.

errorParam

object

false

none

Error Parameters

Error message parameter information

requestTime

string(timestamp)

false

none

Server Request Time

Time at which the server received the request

responseTime

string(timestamp)

false

none

Server Response Time

Time at which the server sent the response

traceId

string

false

none

Trace ID

Invocation trace ID

**collateraltransaction**

Name

Type

Required

Constraints

Description

Notes

code

string

false

none

Status Code

Returns "SUCCESS" on success; otherwise, it indicates failure.

data

[[CollateralTransaction](https://edgex-1.gitbook.io/edgeX-documentation/api/private-api/account-api" \l "schemacollateraltransaction)]

false

none

Response Data

Correct response data.

errorParam

object

false

none

Error Parameters

Error message parameter information

requestTime

string(timestamp)

false

none

Server Request Time

Time at which the server received the request

responseTime

string(timestamp)

false

none

Server Response Time

Time at which the server sent the response

traceId

string

false

none

Trace ID

Invocation trace ID

**Collateral transaction details**

Name

Type

Required

Constraints

Description

Notes

id

string(int64)

false

none

Unique Identifier

Unique identifier.

userId

string(int64)

false

none

User ID

ID of the owning user.

accountId

string(int64)

false

none

Account ID

ID of the owning account.

coinId

string(int64)

false

none

Coin ID

Collateral coin ID.

type

string

false

none

Detail Type

Detail type.

deltaAmount

string(decimal)

false

none

Collateral Change Amount

Amount of the collateral change.

deltaLegacyAmount

string(decimal)

false

none

Legacy Balance Change Amount

Change amount of the legacy balance field.

beforeAmount

string(decimal)

false

none

Collateral Amount Before Change

Collateral amount before the change.

beforeLegacyAmount

string(decimal)

false

none

Legacy Balance Amount Before Change

Legacy balance before the change.

fillCloseSize

string(decimal)

false

none

Transaction Close Size

Transaction close size (positive for buy, negative for sell).

fillCloseValue

string

false

none

Transaction Close Value

Transaction close value (positive for buy, negative for sell).

fillCloseFee

string

false

none

Transaction Close Fee

Transaction close fee (typically zero or negative).

fillOpenSize

string(decimal)

false

none

Transaction Open Size

Transaction open size (positive for buy, negative for sell).

fillOpenValue

string

false

none

Transaction Open Value

Transaction open value (positive for buy, negative for sell).

fillOpenFee

string

false

none

Transaction Open Fee

Transaction open fee (typically zero or negative).

fillPrice

string(decimal)

false

none

Transaction Price

Transaction price (not precise, for display).

liquidateFee

string(decimal)

false

none

Liquidation Fee

Liquidation fee (if close transaction is a liquidation, typically zero or negative).

realizePnl

string(decimal)

false

none

Realized Profit and Loss

Realized profit and loss from a close (if a close transaction. Not precise, for display).

isLiquidate

boolean

false

none

Is Liquidation

Whether the transaction is a liquidation.

isDeleverage

boolean

false

none

Is Auto-Deleveraging

Whether the transaction is from auto-deleveraging.

fundingTime

string(int64)

false

none

Funding Settlement Time

Funding settlement time.

fundingRate

string(decimal)

false

none

Funding Rate

Funding rate.

fundingIndexPrice

string(decimal)

false

none

Funding Index Price

Index price related to funding rate.

fundingOraclePrice

string(decimal)

false

none

Funding Oracle Price

Oracle price related to funding rate.

fundingPositionSize

string(decimal)

false

none

Position Size During Funding Settlement

Position size during funding settlement (positive for long, negative for short).

depositId

string(int64)

false

none

Deposit Order ID

Associated deposit order ID when type=DEPOSIT.

withdrawId

string(int64)

false

none

Withdrawal Order ID

Associated withdrawal order ID when type=WITHDRAW.

transferInId

string(int64)

false

none

Transfer In Order ID

Associated transfer-in order ID when type=TRANSFER\_IN.

transferOutId

string(int64)

false

none

Transfer Out Order ID

Associated transfer-out order ID when type=TRANSFER\_OUT.

transferReason

string

false

none

Transfer Reason

Transfer reason when type=TRANSFER\_IN/TRANSFER\_OUT.

orderId

string(int64)

false

none

Order ID

Associated order ID when type=POSITION\_BUY/POSITION\_SELL/FILL\_FEE\_INCOME.

orderFillTransactionId

string(int64)

false

none

Order Fill Transaction ID

Associated order fill transaction ID when type=POSITION\_BUY/POSITION\_SELL/FILL\_FEE\_INCOME.

orderAccountId

string(int64)

false

none

Order Account ID

Associated order account ID when type=FILL\_FEE\_INCOME.

positionContractId

string(int64)

false

none

Position Contract ID

Associated position contract ID when type=POSITION\_BUY/POSITION\_SELL/POSITION\_FUNDING/FILL\_FEE\_INCOME.

positionTransactionId

string(int64)

false

none

Position Transaction ID

Associated position transaction ID when type=POSITION\_BUY/POSITION\_SELL/POSITION\_FUNDING.

forceWithdrawId

string

false

none

Force Withdrawal Order ID

Associated force withdrawal order ID when type=WITHDRAW.

forceTradeId

string

false

none

Force Trade ID

Associated force trade order ID when type=POSITION\_BUY/POSITION\_SELL.

extraType

string

false

none

Extra Type

Extra type for upper-layer business use.

extraDataJson

string

false

none

Extra Data

Extra data in JSON format, default is empty string.

censorStatus

string

false

none

Current Censoring Status

Current censoring status.

censorTxId

string(int64)

false

none

Censoring Processing Sequence Number

Censoring processing sequence number, exists when censor\_status=CENSOR\_SUCCESS/CENSOR\_FAILURE/L2\_APPROVED/L2\_REJECT/L2\_REJECT\_APPROVED.

censorTime

string(int64)

false

none

Censoring Processing Time

Censoring processing time, exists when censor\_status=CENSOR\_SUCCESS/CENSOR\_FAILURE/L2\_APPROVED/L2\_REJECT/L2\_REJECT\_APPROVED.

censorFailCode

string

false

none

Censoring Failure Code

Censoring failure code, exists when censor\_status=CENSOR\_FAILURE.

censorFailReason

string

false

none

Censoring Failure Reason

Censoring failure reason, exists when censor\_status=CENSOR\_FAILURE.

l2TxId

string(int64)

false

none

L2 Push Transaction ID

L2 push transaction ID, exists when censor\_status=CENSOR\_SUCCESS/L2\_APPROVED/L2\_REJECT/L2\_REJECT\_APPROVED.

l2RejectTime

string(int64)

false

none

L2 Rejection Time

L2 rejection time, exists when censor\_status=L2\_REJECT/L2\_REJECT\_APPROVED.

l2RejectCode

string

false

none

L2 Rejection Error Code

L2 rejection error code, exists when censor\_status=L2\_REJECT/L2\_REJECT\_APPROVED.

l2RejectReason

string

false

none

L2 Rejection Reason

L2 rejection reason, exists when censor\_status=L2\_REJECT/L2\_REJECT\_APPROVED.

l2ApprovedTime

string(int64)

false

none

L2 Batch Verification Time

L2 batch verification time, exists when censor\_status=L2\_APPROVED/L2\_REJECT\_APPROVED.

createdTime

string(int64)

false

none

Creation Time

Creation time.

updatedTime

string(int64)

false

none

Update Time

Update time.

**Enumerated Values**

Property

Value

type

UNKNOWN\_COLLATERAL\_TRANSACTION\_TYPE

type

DEPOSIT

type

WITHDRAW

type

TRANSFER\_IN

type

TRANSFER\_OUT

type

POSITION\_BUY

type

POSITION\_SELL

type

POSITION\_FUNDING

type

FILL\_FEE\_INCOME

type

BUG\_FIX\_COLLATERAL\_TRANSACTION\_TYPE

type

UNRECOGNIZED

transferReason

UNKNOWN\_TRANSFER\_REASON

transferReason

USER\_TRANSFER

transferReason

FAST\_WITHDRAW

transferReason

CROSS\_DEPOSIT

transferReason

CROSS\_WITHDRAW

transferReason

UNRECOGNIZED

censorStatus

UNKNOWN\_TRANSACTION\_STATUS

censorStatus

INIT

censorStatus

CENSOR\_SUCCESS

censorStatus

CENSOR\_FAILURE

censorStatus

L2\_APPROVED

censorStatus

L2\_REJECT

censorStatus

L2\_REJECT\_APPROVED

censorStatus

UNRECOGNIZED

**collateraltransaction**

Name

Type

Required

Constraints

Description

Notes

code

string

false

none

Status Code

Returns "SUCCESS" on success; otherwise, it indicates failure.

data

[PageDataCollateralTransaction](https://edgex-1.gitbook.io/edgeX-documentation/api/private-api/account-api" \l "schemapagedatacollateraltransaction)

false

none

Generic Paginated Response

Generic paginated response.

errorParam

object

false

none

Error Parameters

Error message parameter information

requestTime

string(timestamp)

false

none

Server Request Time

Time at which the server received the request

responseTime

string(timestamp)

false

none

Server Response Time

Time at which the server sent the response

traceId

string

false

none

Trace ID

Invocation trace ID

**schemapagedatacollateraltransaction**

Name

Type

Required

Constraints

Description

Notes

dataList

[[CollateralTransaction](https://edgex-1.gitbook.io/edgeX-documentation/api/private-api/account-api" \l "schemacollateraltransaction)]

false

none

Data List

List of collateral transaction data.

nextPageOffsetData

string

false

none

Next Page Offset

Offset for retrieving the next page. If no next page data, empty string.

**position**

Name

Type

Required

Constraints

Description

Notes

code

string

false

none

Status Code

Returns "SUCCESS" on success; otherwise, it indicates failure.

data

[[Position](https://edgex-1.gitbook.io/edgeX-documentation/api/private-api/account-api" \l "schemaposition)]

false

none

Response Data

Correct response data.

errorParam

object

false

none

Error Parameters

Error message parameter information

requestTime

string(timestamp)

false

none

Server Request Time

Time at which the server received the request

responseTime

string(timestamp)

false

none

Server Response Time

Time at which the server sent the response

traceId

string

false

none

Trace ID

Invocation trace ID

**positionterm**

Name

Type

Required

Constraints

Description

Notes

code

string

false

none

Status Code

Returns "SUCCESS" on success; otherwise, it indicates failure.

data

[PageDataPositionTerm](https://edgex-1.gitbook.io/edgeX-documentation/api/private-api/account-api" \l "schemapagedatapositionterm)

false

none

Generic Paginated Response

Generic paginated response.

errorParam

object

false

none

Error Parameters

Error message parameter information

requestTime

string(timestamp)

false

none

Server Request Time

Time at which the server received the request

responseTime

string(timestamp)

false

none

Server Response Time

Time at which the server sent the response

traceId

string

false

none

Trace ID

Invocation trace ID

**schemapagedatapositionterm**

Name

Type

Required

Constraints

Description

Notes

dataList

[[PositionTerm](https://edgex-1.gitbook.io/edgeX-documentation/api/private-api/account-api" \l "schemapositionterm)]

false

none

Data List

List of position term data.

nextPageOffsetData

string

false

none

Next Page Offset

Offset for retrieving the next page. If no next page data, empty string.

**schemapositionterm**

Name

Type

Required

Constraints

Description

Notes

userId

string

false

none

User ID

ID of the owning user.

accountId

string

false

none

Account ID

ID of the owning account.

coinId

string

false

none

Collateral Coin ID

ID of the associated collateral coin.

contractId

string

false

none

Contract ID

ID of the associated contract.

termCount

integer(int32)

false

none

Term Count

Term count. Starts from 1, increases by one each time a position is fully closed and then re-opened.

cumOpenSize

string

false

none

Cumulative Open Size

Cumulative open size.

cumOpenValue

string

false

none

Cumulative Open Value

Cumulative open value.

cumOpenFee

string

false

none

Cumulative Open Fee

Cumulative open fees.

cumCloseSize

string

false

none

Cumulative Close Size

Cumulative close size.

cumCloseValue

string

false

none

Cumulative Close Value

Cumulative close value.

cumCloseFee

string

false

none

Cumulative Close Fee

Cumulative close fees.

cumFundingFee

string

false

none

Cumulative Funding Fee

Cumulative funding fees that have been settled.

cumLiquidateFee

string

false

none

Cumulative Liquidation Fee

Cumulative liquidation fees.

createdTime

string(int64)

false

none

Creation Time

Creation time.

updatedTime

string(int64)

false

none

Update Time

Update time.

currentLeverage

string

false

none

Leverage at Close

Leverage multiple at the time of close position.

**positiontransaction**

Name

Type

Required

Constraints

Description

Notes

code

string

false

none

Status Code

Returns "SUCCESS" on success; otherwise, it indicates failure.

data

[[PositionTransaction](https://edgex-1.gitbook.io/edgeX-documentation/api/private-api/account-api" \l "schemapositiontransaction)]

false

none

Response Data

Correct response data.

errorParam

object

false

none

Error Parameters

Error message parameter information

requestTime

string(timestamp)

false

none

Server Request Time

Time at which the server received the request

responseTime

string(timestamp)

false

none

Server Response Time

Time at which the server sent the response

traceId

string

false

none

Trace ID

Invocation trace ID

**schemapositiontransaction**

Name

Type

Required

Constraints

Description

Notes

id

string(int64)

false

none

Unique Identifier

Unique identifier.

userId

string(int64)

false

none

User ID

ID of the owning user.

accountId

string(int64)

false

none

Account ID

ID of the owning account.

coinId

string(int64)

false

none

Collateral Coin ID

ID of the associated collateral coin.

contractId

string(int64)

false

none

Contract ID

ID of the associated contract.

type

string

false

none

Detail Type

Detail type.

deltaOpenSize

string

false

none

Change in Open Size

Change in holding size.

deltaOpenValue

string

false

none

Change in Open Value

Change in open value.

deltaOpenFee

string

false

none

Change in Open Fee

Change in open fee.

deltaFundingFee

string

false

none

Change in Funding Fee

Change in funding fee.

beforeOpenSize

string

false

none

Open Size Before Change

Holding size before the change.

beforeOpenValue

string

false

none

Open Value Before Change

Open value before the change.

beforeOpenFee

string

false

none

Open Fee Before Change

Open fee before the change.

beforeFundingFee

string

false

none

Funding Fee Before Change

Funding fee before the change.

fillCloseSize

string

false

none

Transaction Close Size

Transaction close size (positive for buy, negative for sell).

fillCloseValue

string

false

none

Transaction Close Value

Transaction close value (positive for buy, negative for sell).

fillCloseFee

string

false

none

Transaction Close Fee

Transaction close fee (typically zero or negative).

fillOpenSize

string

false

none

Transaction Open Size

Transaction open size (positive for buy, negative for sell).

fillOpenValue

string

false

none

Transaction Open Value

Transaction open value (positive for buy, negative for sell).

fillOpenFee

string

false

none

Transaction Open Fee

Transaction open fee (typically zero or negative).

fillPrice

string

false

none

Transaction Price

Transaction price (not precise, for display).

liquidateFee

string

false

none

Liquidation Fee

Liquidation fee (if close transaction is a liquidation, typically zero or negative).

realizePnl

string

false

none

Realized Profit and Loss

Realized profit and loss from a close (if a close transaction. Not precise, for display).

isLiquidate

boolean

false

none

Is Liquidation

Whether the transaction is a liquidation.

isDeleverage

boolean

false

none

Is Auto-Deleveraging

Whether the transaction is from auto-deleveraging.

fundingTime

string(int64)

false

none

Funding Settlement Time

Funding settlement time.

fundingRate

string

false

none

Funding Rate

Funding rate.

fundingIndexPrice

string

false

none

Funding Index Price

Index price related to funding rate.

fundingOraclePrice

string

false

none

Funding Oracle Price

Oracle price related to funding rate.

fundingPositionSize

string

false

none

Position Size During Funding Settlement

Position size during funding settlement (positive for long, negative for short).

orderId

string(int64)

false

none

Order ID

Associated order ID.

orderFillTransactionId

string(int64)

false

none

Order Fill Transaction ID

Associated order fill transaction ID.

collateralTransactionId

string(int64)

false

none

Collateral Transaction ID

Associated collateral transaction detail ID.

forceTradeId

string

false

none

Force Trade ID

Associated force trade order ID.

extraType

string

false

none

Extra Type

Extra type for upper-layer business use.

extraDataJson

string

false

none

Extra Data

Extra data in JSON format, default is empty string.

censorStatus

string

false

none

Current Censoring Status

Current censoring status.

censorTxId

string(int64)

false

none

Censoring Processing Sequence Number

Censoring processing sequence number, exists when censor\_status=CENSOR\_SUCCESS/CENSOR\_FAILURE/L2\_APPROVED/L2\_REJECT/L2\_REJECT\_APPROVED.

censorTime

string(int64)

false

none

Censoring Processing Time

Censoring processing time, exists when censor\_status=CENSOR\_SUCCESS/CENSOR\_FAILURE/L2\_APPROVED/L2\_REJECT/L2\_REJECT\_APPROVED.

censorFailCode

string

false

none

Censoring Failure Code

Censoring failure code, exists when censor\_status=CENSOR\_FAILURE.

censorFailReason

string

false

none

Censoring Failure Reason

Censoring failure reason, exists when censor\_status=CENSOR\_FAILURE.

l2TxId

string(int64)

false

none

L2 Push Transaction ID

L2 push transaction ID, exists when censor\_status=CENSOR\_SUCCESS/L2\_APPROVED/L2\_REJECT/L2\_REJECT\_APPROVED.

l2RejectTime

string(int64)

false

none

L2 Rejection Time

L2 rejection time, exists when censor\_status=L2\_REJECT/L2\_REJECT\_APPROVED.

l2RejectCode

string

false

none

L2 Rejection Error Code

L2 rejection error code, exists when censor\_status=L2\_REJECT/L2\_REJECT\_APPROVED.

l2RejectReason

string

false

none

L2 Rejection Reason

L2 rejection reason, exists when censor\_status=L2\_REJECT/L2\_REJECT\_APPROVED.

l2ApprovedTime

string(int64)

false

none

L2 Batch Verification Time

L2 batch verification time, exists when censor\_status=L2\_APPROVED/L2\_REJECT\_APPROVED.

createdTime

string(int64)

false

none

Creation Time

Creation time.

updatedTime

string(int64)

false

none

Update Time

Update time.

**Enumerated Values**

Property

Value

type

UNKNOWN\_POSITION\_TRANSACTION\_TYPE

type

BUY\_POSITION

type

SELL\_POSITION

type

SETTLE\_FUNDING\_FEE

type

BUG\_FIX\_POSITION\_TRANSACTION\_TYPE

type

UNRECOGNIZED

censorStatus

UNKNOWN\_TRANSACTION\_STATUS

censorStatus

INIT

censorStatus

CENSOR\_SUCCESS

censorStatus

CENSOR\_FAILURE

censorStatus

L2\_APPROVED

censorStatus

L2\_REJECT

censorStatus

L2\_REJECT\_APPROVED

censorStatus

UNRECOGNIZED

**positiontransactionpage**

Name

Type

Required

Constraints

Description

Notes

code

string

false

none

Status Code

Returns "SUCCESS" on success; otherwise, it indicates failure.

data

[PageDataPositionTransaction](https://edgex-1.gitbook.io/edgeX-documentation/api/private-api/account-api" \l "schemapagedatapositiontransaction)

false

none

Generic Paginated Response

Generic paginated response.

errorParam

object

false

none

Error Parameters

Error message parameter information

requestTime

string(timestamp)

false

none

Server Request Time

Time at which the server received the request

responseTime

string(timestamp)

false

none

Server Response Time

Time at which the server sent the response

traceId

string

false

none

Trace ID

Invocation trace ID

**schemapagedatapositiontransaction**

Name

Type

Required

Constraints

Description

Notes

dataList

[[PositionTransaction](https://edgex-1.gitbook.io/edgeX-documentation/api/private-api/account-api" \l "schemapositiontransaction)]

false

none

Data List

List of position transaction data.

nextPageOffsetData

string

false

none

Next Page Offset

Offset for retrieving the next page. If no next page data, empty string.