**TransferPrivateApi**

**POST Create Transfer Out Order**

POST /api/v1/private/transfer/createTransferOut

Body Request Parameters

Copy

{ "accountId": "543429922991899150", "coinId": "1000", "amount": "1.000000", "receiverAccountId": "551109015904453258", "receiverL2Key": "0x03eec711e360695bb44b1170057a25340303c1f16893a8def7450e44294405a8", "clientTransferId": "3877531064364166", "transferReason": "USER\_TRANSFER", "l2Nonce": "2280110103", "l2ExpireTime": "1735873200000", "l2Signature": "0141279ec45ce1ea37b11cfa4683cfab8443bcbf8da3f066cef3e437862573f9034efe12eee1be3fc715c7b511f69e3ba32ec67a9ac89538fbb73de46fefc5e5", "extraType": "", "extraDataJson": ""}

**Request Parameters**

Name

Location

Type

Required

Description

body

body

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

No

none

Response Example

200 Response

Copy

{ "code": "SUCCESS", "data": { "transferOutId": "564819036077031694" }, "msg": null, "errorParam": null, "requestTime": "1734663351997", "responseTime": "1734663352035", "traceId": "33728335fc663ba9230e61d4f4b924df"}

**Response Codes**

Status Code

Description

Notes

Schema

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/transfer-api" \l "schemaresultcreatetransferout)

**GET Get Transfer Out Orders by ID**

GET /api/v1/private/transfer/getTransferOutById

**Request Parameters**

Name

Location

Type

Required

Description

accountId

query

string

No

Account ID

transferOutIdList

query

string

No

Transfer out ID

Response Example

200 Response

Copy

{ "code": "SUCCESS", "data": [ { "id": "564819036077031694", "userId": "543429922866069763", "accountId": "543429922991899150", "coinId": "1000", "amount": "1.000000", "receiverAccountId": "551109015904453258", "receiverL2Key": "0x3eec711e360695bb44b1170057a25340303c1f16893a8def7450e44294405a8", "clientTransferId": "3877531064364166", "isConditionTransfer": false, "conditionFactRegistryAddress": "", "conditionFactErc20Address": "", "conditionFactAmount": "", "conditionFact": "", "transferReason": "USER\_TRANSFER", "l2Nonce": "2280110103", "l2ExpireTime": "1735873200000", "l2Signature": { "r": "0x0141279ec45ce1ea37b11cfa4683cfab8443bcbf8da3f066cef3e437862573f9", "s": "0x034efe12eee1be3fc715c7b511f69e3ba32ec67a9ac89538fbb73de46fefc5e5", "v": "" }, "extraType": "", "extraDataJson": "", "status": "SUCCESS\_CENSOR\_SUCCESS", "receiverTransferInId": "564819036173500554", "collateralTransactionId": "564819036223832334", "censorTxId": "893179", "censorTime": "1734663352062", "censorFailCode": "", "censorFailReason": "", "l2TxId": "1084730", "l2RejectTime": "0", "l2RejectCode": "", "l2RejectReason": "", "l2ApprovedTime": "0", "createdTime": "1734663352031", "updatedTime": "1734663352066" } ], "msg": null, "errorParam": null, "requestTime": "1734663607244", "responseTime": "1734663607271", "traceId": "39366eb1153313ba1415851a08762265"}

**Response Codes**

Status Code

Description

Notes

Schema

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/transfer-api" \l "schemaresultlisttransferout)

**GET Get Available Withdrawal Amount**

GET /api/v1/private/transfer/getTransferOutAvailableAmount

**Request Parameters**

Name

Location

Type

Required

Description

accountId

query

string

No

Account ID

coinId

query

string

No

Coin ID

Response Example

200 Response

Copy

{ "code": "SUCCESS", "data": { "availableAmount": "10.964371" }, "msg": null, "errorParam": null, "requestTime": "1734663286946", "responseTime": "1734663286951", "traceId": "957f0396a8e6059b027b99d232f8b113"}

**Response Codes**

Status Code

Description

Notes

Schema

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/transfer-api" \l "schemaresultgettransferoutavailableamount)

**GET Get Transfer In Orders by ID**

GET /api/v1/private/transfer/getTransferInById

**Request Parameters**

Name

Location

Type

Required

Description

accountId

query

string

No

Account ID

transferInIdList

query

string

No

Transfer In ID

Response Example

200 Response

Copy

{ "code": "SUCCESS", "data": [ { "id": "564819036173500554", "userId": "543429922866069763", "accountId": "551109015904453258", "coinId": "1000", "amount": "1.000000", "senderAccountId": "543429922991899150", "senderL2Key": "0x5580341e2c99823a0a35356b8ac84e372dd38fd1f4b50f607b931ec8038c211", "senderTransferOutId": "564819036077031694", "clientTransferId": "543429922991899150:3877531064364166", "isConditionTransfer": false, "conditionFactRegistryAddress": "", "conditionFactErc20Address": "", "conditionFactAmount": "", "conditionFact": "", "transferReason": "USER\_TRANSFER", "extraType": "", "extraDataJson": "", "status": "SUCCESS\_CENSOR\_SUCCESS", "collateralTransactionId": "564819036219637898", "censorTxId": "893179", "censorTime": "1734663352062", "censorFailCode": "", "censorFailReason": "", "l2TxId": "1084730", "l2RejectTime": "0", "l2RejectCode": "", "l2RejectReason": "", "l2ApprovedTime": "0", "createdTime": "1734663352054", "updatedTime": "1734663352065" } ], "msg": null, "errorParam": null, "requestTime": "1734663945432", "responseTime": "1734663945452", "traceId": "eb4cfe0a20f14b62b4fdbbd046255171"}

**Response Codes**

Status Code

Description

Notes

Schema

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/transfer-api" \l "schemaresultlisttransferin)

**Data Models**

**schemaresultpagedatatransferin**

Name

Type

Required

Constraints

Description

code

string

false

none

Status code. "SUCCESS" for success, other values indicate failure.

data

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

false

none

Generic paginated response data

errorParam

object

false

none

Parameter information in error messages

requestTime

string(timestamp)

false

none

Server request receiving timestamp

responseTime

string(timestamp)

false

none

Server response returning timestamp

traceId

string

false

none

Call trace ID

**schemapagedatatransferin**

Name

Type

Required

Constraints

Description

dataList

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

false

none

Data list

nextPageOffsetData

string

false

none

Offset to retrieve the next page. If no next page data, the value will be an empty string

**schematransferin**

Name

Type

Required

Constraints

Description

id

string(int64)

false

none

Transfer In order ID

userId

string(int64)

false

none

User ID

accountId

string(int64)

false

none

Account ID

coinId

string(int64)

false

none

Coin ID

amount

string

false

none

Transfer amount

senderAccountId

string(int64)

false

none

Sender Account ID

senderL2Key

string

false

none

Sender account L2 key. bigint for hex str

senderTransferOutId

string(int64)

false

none

Sender transfer out order ID

clientTransferId

string

false

none

Client defined ID. Used for idempotent checks and signature generation nonce

isConditionTransfer

boolean

false

none

Whether it is a conditional transfer

conditionFactRegistryAddress

string

false

none

Address of condition fact registry contract. Required when is\_condition\_transfer=true

conditionFactErc20Address

string

false

none

ERC20 address used to generate the condition fact. Required when is\_conditional\_transfer=true

conditionFactAmount

string

false

none

Amount used to generate condition fact. Required when is\_conditional\_transfer=true.

conditionFact

string

false

none

The conditional transfer fact. Required when is\_condition\_transfer=true

transferReason

string

false

none

Transfer reason

extraType

string

false

none

Additional type. Used by upper layer business

extraDataJson

string

false

none

Additional data in JSON format. Defaults to empty string

status

string

false

none

Transfer status

collateralTransactionId

string(int64)

false

none

ID of related collateral detail. Exists when status=SUCCESS\_XXX/FAILED\_L2\_REJECT/FAILED\_L2\_REJECT\_APPROVED

censorTxId

string(int64)

false

none

Censor processing sequence. Exists when status=SUCCESS\_XXX/FAILED\_CENSOR\_FAILURE/FAILED\_L2\_REJECT/FAILED\_L2\_REJECT\_APPROVED

censorTime

string(int64)

false

none

Censor processing time. Exists when status=SUCCESS\_XXX/FAILED\_CENSOR\_FAILURE/FAILED\_L2\_REJECT/FAILED\_L2\_REJECT\_APPROVED

censorFailCode

string

false

none

Censor failure error code. Exists when status=FAILED\_CENSOR\_FAILURE

censorFailReason

string

false

none

Censor failure reason. Exists when status=FAILED\_CENSOR\_FAILURE

l2TxId

string(int64)

false

none

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. Exists when censor\_status=L2\_REJECT/L2\_REJECT\_APPROVED

l2RejectCode

string

false

none

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

l2RejectReason

string

false

none

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

l2ApprovedTime

string(int64)

false

none

L2 batch verification time. Exists when status=L2\_APPROVED/L2\_REJECT\_APPROVED

createdTime

string(int64)

false

none

Creation time

updatedTime

string(int64)

false

none

Update time

**Enum Values**

Property

Value

transferReason

UNKNOWN\_TRANSFER\_REASON

transferReason

USER\_TRANSFER

transferReason

FAST\_WITHDRAW

transferReason

CROSS\_DEPOSIT

transferReason

CROSS\_WITHDRAW

transferReason

UNRECOGNIZED

status

UNKNOWN\_TRANSFER\_STATUS

status

PENDING\_CHECKING

status

PENDING\_CENSORING

status

SUCCESS\_CENSOR\_SUCCESS

status

SUCCESS\_L2\_APPROVED

status

FAILED\_CHECK\_INVALID

status

FAILED\_CENSOR\_FAILURE

status

FAILED\_L2\_REJECT

status

FAILED\_L2\_REJECT\_APPROVED

status

UNRECOGNIZED

**schemaresultpagedatatransferout**

Name

Type

Required

Constraints

Description

code

string

false

none

Status code. "SUCCESS" for success, other values indicate failure.

data

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

false

none

Generic paginated response data

errorParam

object

false

none

Parameter information in error messages

requestTime

string(timestamp)

false

none

Server request receiving timestamp

responseTime

string(timestamp)

false

none

Server response returning timestamp

traceId

string

false

none

Call trace ID

**schemapagedatatransferout**

Name

Type

Required

Constraints

Description

dataList

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

false

none

Data list

nextPageOffsetData

string

false

none

Offset to retrieve the next page. If no next page data, the value will be an empty string

**schematransferout**

Name

Type

Required

Constraints

Description

id

string(int64)

false

none

Transfer out order ID

userId

string(int64)

false

none

User ID

accountId

string(int64)

false

none

Account ID

coinId

string(int64)

false

none

Coin ID

amount

string

false

none

Transfer amount

receiverAccountId

string(int64)

false

none

Receiver Account ID

receiverL2Key

string

false

none

Receiver account L2 key. bigint for hex str

clientTransferId

string

false

none

Client defined ID. Used for idempotent checks and signature generation nonce

isConditionTransfer

boolean

false

none

Whether it is a conditional transfer

conditionFactRegistryAddress

string

false

none

Address of condition fact registry contract. Required when is\_conditional\_transfer=true

conditionFactErc20Address

string

false

none

ERC20 address used to generate the condition fact. Required when is\_conditional\_transfer=true

conditionFactAmount

string

false

none

Amount used to generate condition fact. Required when is\_conditional\_transfer=true.

conditionFact

string

false

none

The conditional transfer fact. Required when is\_conditional\_transfer=true

transferReason

string

false

none

Transfer reason

l2Nonce

string(int64)

false

none

L2 signature nonce. Take the first 32 bits of sha256(client\_transfer\_id)

l2ExpireTime

string(int64)

false

none

L2 signature expiration time in milliseconds. When generating/verifying the signature, the hour should be used: l2\_expire\_time / 3600000

l2Signature

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

false

none

L2 signature information

extraType

string

false

none

Additional type. Used by upper layer business

extraDataJson

string

false

none

Additional data in JSON format. Defaults to empty string

status

string

false

none

Transfer status

receiverTransferInId

string(int64)

false

none

ID of receiver transfer in order.

collateralTransactionId

string(int64)

false

none

ID of related collateral detail. Exists when status=SUCCESS\_XXX/FAILED\_L2\_REJECT/FAILED\_L2\_REJECT\_APPROVED

censorTxId

string(int64)

false

none

Censor processing sequence. Exists when status=SUCCESS\_XXX/FAILED\_CENSOR\_FAILURE/FAILED\_L2\_REJECT/FAILED\_L2\_REJECT\_APPROVED

censorTime

string(int64)

false

none

Censor processing time. Exists when status=SUCCESS\_XXX/FAILED\_CENSOR\_FAILURE/FAILED\_L2\_REJECT/FAILED\_L2\_REJECT\_APPROVED

censorFailCode

string

false

none

Censor failure error code. Exists when status=FAILED\_CENSOR\_FAILURE

censorFailReason

string

false

none

Censor failure reason. Exists when status=FAILED\_CENSOR\_FAILURE

l2TxId

string(int64)

false

none

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. Exists when censor\_status=L2\_REJECT/L2\_REJECT\_APPROVED

l2RejectCode

string

false

none

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

l2RejectReason

string

false

none

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

l2ApprovedTime

string(int64)

false

none

L2 batch verification time. Exists when status=L2\_APPROVED/L2\_REJECT\_APPROVED

createdTime

string(int64)

false

none

Creation time

updatedTime

string(int64)

false

none

Update time

**Enum Values**

Property

Value

transferReason

UNKNOWN\_TRANSFER\_REASON

transferReason

USER\_TRANSFER

transferReason

FAST\_WITHDRAW

transferReason

CROSS\_DEPOSIT

transferReason

CROSS\_WITHDRAW

transferReason

UNRECOGNIZED

status

UNKNOWN\_TRANSFER\_STATUS

status

PENDING\_CHECKING

status

PENDING\_CENSORING

status

SUCCESS\_CENSOR\_SUCCESS

status

SUCCESS\_L2\_APPROVED

status

FAILED\_CHECK\_INVALID

status

FAILED\_CENSOR\_FAILURE

status

FAILED\_L2\_REJECT

status

FAILED\_L2\_REJECT\_APPROVED

status

UNRECOGNIZED

**schemal2signature**

Name

Type

Required

Constraints

Description

r

string

false

none

bigint for hex str

s

string

false

none

bigint for hex str

v

string

false

none

bigint for hex str

**schemaresultlisttransferin**

Name

Type

Required

Constraints

Description

code

string

false

none

Status code. "SUCCESS" for success, other values indicate failure.

data

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

false

none

Correct response data

errorParam

object

false

none

Parameter information in error messages

requestTime

string(timestamp)

false

none

Server request receiving timestamp

responseTime

string(timestamp)

false

none

Server response returning timestamp

traceId

string

false

none

Call trace ID

**schemaresultgettransferoutavailableamount**

Name

Type

Required

Constraints

Description

code

string

false

none

Status code. "SUCCESS" for success, other values indicate failure.

data

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

false

none

Get Transfer Available Amount - Response

errorParam

object

false

none

Parameter information in error messages

requestTime

string(timestamp)

false

none

Server request receiving timestamp

responseTime

string(timestamp)

false

none

Server response returning timestamp

traceId

string

false

none

Call trace ID

**schemagettransferavailableamount**

Name

Type

Required

Constraints

Description

availableAmount

string(decimal)

false

none

Available amount

**schemaresultlisttransferout**

Name

Type

Required

Constraints

Description

code

string

false

none

Status code. "SUCCESS" for success, other values indicate failure.

data

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

false

none

Correct response data

errorParam

object

false

none

Parameter information in error messages

requestTime

string(timestamp)

false

none

Server request receiving timestamp

responseTime

string(timestamp)

false

none

Server response returning timestamp

traceId

string

false

none

Call trace ID

**schemaresultcreatetransferout**

Name

Type

Required

Constraints

Description

code

string

false

none

Status code. "SUCCESS" for success, other values indicate failure.

data

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

false

none

Create Transfer Out Order - Response

errorParam

object

false

none

Parameter information in error messages

requestTime

string(timestamp)

false

none

Server request receiving timestamp

responseTime

string(timestamp)

false

none

Server response returning timestamp

traceId

string

false

none

Call trace ID

**schemacreatetransferout**

Name

Type

Required

Constraints

Description

transferOutId

string(int64)

false

none

Transfer out order ID

**schemacreatetransferoutparam**

Name

Type

Required

Constraints

Description

accountId

string(int64)

false

none

Account ID

coinId

string(int64)

false

none

Asset ID

amount

string

false

none

Transfer amount

receiverAccountId

string

false

none

Receiver account ID

receiverL2Key

string

false

none

Receiver account L2 key. bigint for hex str

clientTransferId

string

false

none

Client defined ID. Used for idempotent checks and signature generation nonce

transferReason

string

false

none

Transfer reason

l2Nonce

string(int64)

false

none

L2 signature nonce. Take the first 32 bits of sha256(client\_withdraw\_id)

l2ExpireTime

string(int64)

false

none

L2 signature expiration time in milliseconds. When generating/verifying the signature, the hour should be used: l2\_expire\_time / 3600000

l2Signature

string

false

none

L2 signature

extraType

string

false

none

Additional type. Used by upper layer business

extraDataJson

string

false

none

Additional data in JSON format. Defaults to empty string

**Enum Values**

Property

Value

transferReason

UNKNOWN\_TRANSFER\_REASON

transferReason

USER\_TRANSFER

transferReason

FAST\_WITHDRAW

transferReason

CROSS\_DEPOSIT

transferReason

CROSS\_WITHDRAW

transferReason

UNRECOGNIZED