

Perform transactions on etfs in a secure fashion, automating the trade workflow by retrieving trades, retrieving funds, subscribing to funds, modifying and deleting subscriptions for entitled etf products only.

TAGS: create, etf, redeem,

ENDPOINT: Transactions

ENDPOINT DESCRIPTION:

Creates a trade transaction for a specific product that the API is authorized to.

PROD URL: <https://api.seic.com/v1/authorizedParticipant/transactions>

TEST URL: <https://test.api.seic.com/v1/authorizedParticipant/transactions>

TLS URL*: <https://mtls.api.seic.com/v1/authorizedParticipant/transactions>

*The TLS endpoint is only used if Server Based Application was selected during the App Registration process.

STEP 1

OAuth Token

STEP 2

Pass the OAuth Token and the App Key to invoke this endpoint for a particular application.

REQUEST PARAMETERS:

Name	Description	Data Type	Parameter Type
Authorization	access_token value obtained from the Token endpoint.This is passed as "Bearer access_token"	string	header
AppKey	This is the Consumer Key provided during the App Registration process and is used to identify the user's application.	string	header
content-type	application/json	string	header
X-SEIC-FIRM-PIN	The firm PIN.	string	header
X-SEIC-CURRENT-USER-CONTEXT	Email address of the user authenticated into the application to view data.	string	header

BODY PARAMETERS:

Name	Description	Data Type	Parameter Type
requestPayload		object	body

REQUEST PAYLOAD MODEL:

Name	Description	Data Type(L)
transactionType	Describes the type of transaction.	string
cashOption	Selected to place a cash trade in a in-kind fund. This option is not available for all funds.	string

cusip	A 9-digit alphanumeric securities identifier assigned by the Committee on Uniform Security Identification Procedures (CUSIP) for the purposes of facilitating clearing and settlement of trades.	string
ticker	A ticker symbol used to identify a stock.	string
sedol	The Stock Exchange Daily Official List (SEDOL) is a list of security identifiers used in the United Kingdom and Ireland for clearing purposes.	string
isin	The International Securities Identification Number (ISIN) is an alphanumeric code that identifies a specific securities issue.	string
externalTradeId	An agreed upon ID between counterparts which uniquely identifies a transaction. It is used for notifications to trade repository and stored in transaction data.	string
fundTicker	A ticker symbol is used to place trade orders for a specific ETF. The value of this function is not case- sensitive.	string
numberOfUnits	The quantity of ETF creation units.	string
eightyPrctCash	The 80% Rule is referencing the Beneficial Ownership Limitation in the AP agreement. The AP must affirm that they do not hold more than 80% of the fund shares at the time the order is placed. (At all times the value must be "true" and the "field is case sensitive". It will accept lower case values only.)	string
hasAssistedTrades	Selected when an Authorized Participant cannot deliver all of the ETF basket securities for a domestic ETF. The value of this function is not case- sensitive.	string
hasCashInLieuTrades	Selected when an Authorized Participant can not deliver all of the ETF basket securities for a foreign ETF.	string
settleDays	The Settlement Date is the date when the ETF order will settle. Typically 2 business days (T+2). The short settlement is a Trade date plus one business day.	string

SAMPLE REQUEST:

```
curl -X POST \
  https://api.seic.com/v1/authorizedParticipant/transactions \
  -H 'AppKey: gsedgaerhDSHGRSH' \
  -H 'Authorization: Bearer ADsgdnnkjnfIKJN' \
  -H 'Content-Type: application/json' \
  -H 'X-SEIC-CURRENT-USER-CONTEXT: john.doe@seic.com' \
  -H 'X-SEIC-FIRM-PIN: A2BCD' \
```

A) Standard Order

• Following attributes are required:

- 1) FundTicker
- 2) NumberOfUnits
- 3) SettleDays (T+2)

```
{
  "transactionType": "create",
  "fundTicker": "ABC",
  "numberOfUnits": 1,
  "eightyPrctCash": true,
  "settleDays": "2020-06-01"
}
```

```
curl -X POST \
  https://api.seic.com/v1/authorizedParticipant/transactions \
  -H 'AppKey: gsedgaerhDSHGRSH' \
  -H 'Authorization: Bearer ADsgdnnkjnfIKJN' \
  -H 'Content-Type: application/json' \
  -H 'X-SEIC-CURRENT-USER-CONTEXT: john.doe@seic.com' \
  -H 'X-SEIC-FIRM-PIN: A2BCD' \
```

B) Domestic equity orders with assisted trades (Restrictions)

• Following additional fields are required

- 1) hasAssistedTrades (to be set as true)
- 2) ticker- security ticker (generally different from 'fundTicker'). Comma-separated if more than one.

```
{
  "transactionType": "create",
  "fundTicker": "schb",
  "numberOfUnits": 13,
  "eightyPrctCash": true,
```

```
"settleDays": "2020-06-22",
"hasAssistedTrades": true,
"ticker": "Xyz"
}
```

REQUEST HEADER:

```
X-SEIC-CURRENT-USER-CONTEXT: registereduser@seic.com
X-SEIC-FIRM-PIN: 1DFRD
appkey: gsedgaerhDSHGRSH
authorization: Bearer ADsgdnkjnfIKJN
```

RESPONSE PAYLOAD MODEL:

Name	Description	Data Type(L)
externalTradeId	A trade ID provided by the Authorized Participant and returned in the response.	string
tradeId	A unique SEI generated transaction ID for each trade order.	string

RESPONSE ERRORS:

Name	Description
200	OK- The request has succeeded and the response has been returned.
400	Bad request - The server cannot or will not process the request due to an inaccurate request submitted by the client application. Please resubmit the request after making the required corrections indicated in the error response. For more Info on SEI Error Standards please refer to the API Standards FAQ under Support.
401	Unauthorized - Invalid authentication details have been provided. Also useful to trigger an authorization pop up if the API is used from a browser.
403	Forbidden-The SEI Server understood the request but refuses to fulfill it.
404	Not Found- The requested resource or the underlying resource does not exist. Please resubmit the request after making the required corrections
500	Internal Server Error - The server was unable to fulfill the request due to an unknown condition. Please contact SEI for support. For More Info please refer to the "Response & Errors" FAQ under support.

SAMPLE RESPONSE:

```
{
  "data": {
    "externalTradeId": 123456,
    "tradeId": 11111
  }
}
```

RESPONSE HEADER:

```
Content-Type: application/json
Status: 200 OK
requesttrackingid: 67e1ff68-164f-03ad-0f2d-5cbbfda56ec9
```