SEI | New ways. New answers.®

Retrieve portfolio accounting data housed in our SEI Data Warehouse. T+1 and historical data can be retrieved.

**ENDPOINT**: Transactions

**ENDPOINT DESCRIPTION**:

Returns all the transactions related data points for a particular investment product within a date range and reporting period.

**PROD URL**: https://test.api.seic.com/v1/investments/transactions

**TEST URL**: https://test.api.seic.com/v1/investments/transactions

**TLS URL**\*: https://mtls.api.seic.com/v1/investments/transactions

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

**STEP 1**
OAuth Token

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 |
| accountIds | SEIAccountIds for which the user has requested data. Can be individual or multiple delimited by comma. | string | query |
| startDate | StartDate in YYYY-MM-DD format. Will check midnight until 11:59.59.9999 of a date. | string | query |
| endDate | EndDate in YYYY-MM-DD format. Will check midnight until 11:59.59.9999 of a date. | string | query |
| dateType | The date criteria for which user wants to filter the transaction details. Ex- ActualSettlementDate, ContractualSettlementDate, EndDate, EntryDate, EventCreatedDate, KnowledgeDate, TradeDate | string | query |
| reportDataType | Report type(Daily/Closed) | string | query |
| limit | Response page size. | string | query |

**SAMPLE REQUEST:**

```
curl -X GET \
'https://api.seic.com/v1/investments/transactions?accountIds=9999-3-56789&startDate=2017-01-01&endDate=2017-05-12&r
eportDataType=Closed&dateType=TradeDate' \
   -H 'AppKey: gsedgaerhDSHGRSH' \
   -H 'Authorization: Bearer ADsgdnnkjnfdIKJN'
```

**REQUEST HEADER:**

```
Authorization: Bearer ADsgdnnkjnfdIKJN
AppKey: gsedgaerhDSHGRSH
```

**RESPONSE PAYLOAD MODEL:**

| Name | Description | Data Type(L) |
|------|-------------|--------------|
| startDate | The earliest date within a range in ISO 8601 format YYYY-MM-DD. | boolean |
| endDate | The latest date within a range in ISO 8601 format YYYY-MM-DD. | string |
| reportDataType | Report data type for investment positions, such as Closed or Daily. | string |
| dateType | The date criteria by which user wants to filter. | string |
| id | The SEI system's internal identifier for an Account, position, lot, tranasction, investor, product or any other entity indicated by the oject grouping in the API response. | string |
| name | The business description for an entity in the context of the API, sometimes called a proper name. A name can apply to a Calendar, Financial Institution, Investor, Account, Advisor and various other entities. | string |
| externalId | Unique business identifier that represents a contact, investor, product, transaction or alternate entity recognized by SEI and a third party system or application.  Many times the externalId is used to synchronize SEI sourced data with another data source for the same record. | string |
| transactionsCount | Number of transactions per account in the API response. | number |
| accountId | SEI unique system ID that represents the account. | string(40) |
| alternateId | Alternate identifier. This is a secondary identifier typically used when integrating between systems. Use of this field is optional. | string (30) |
| description | This field holds additional information about the field, and is provided during setup. | string |
| tradeDate | The date the order was executed, e.g., the effective date, in ISO 8601 format YYYY-MM-DD. | string |
| actualSettlementDate | Settle date of transaction. | string |
| contractualSettlementDate | The date the transaction is expected to settle. | string |
| quantity | The current face amount, or quantity of shares held, for an investment or noted on a transaction. | number |
| comment | Free form text field available to user on most transaction types. | string |
| accountDescription | A short description of the account | 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 |
| 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 |
| ticker | A ticker symbol used to identify a stock. | string |
| reportDataTypeName | Report data type for investment positions, such as Closed or Daily. | string |
| lin | LIN | string |
| investmentId | The SEI system identifier that represents the investment. | number |
| investmentName | Name of the investment. | string |

| | | |
|---|---|---|
| investmentDescription | The full text description of an investment. | string |
| brokerName | The name of the trading broker on a transaction. | string |
| currencyIsoName | The currency name of income payments. | string |
| currencyIsoCode | The currency code in which the transaction is paid in. | string |
| brokerCommissionAmount | The amount of brokerage commission on a trade expressed in local and base currency. | number |
| costAmount | Total base or local net cost of the lots being sold or purchased. | number |
| grossAmount | Net cash amount of a transaction less traded accrued interest and withholding tax in base and local currency. | number |
| incomePurchaseSoldAmount | Amount of cash paid or received to cover accrued interest on a position. Available for base and local currency. | number |
| netAmount | The net cash amount of a transactions after associated charges and deductions have been subtracted. | number(9) |
| notionalAmount | Notional exposure amount. Notional value helps distinguish the total value of a trade from the cost of taking the trade. | number(9) |
| priceAmount | Price of the transaction expressed in the local and base currency. | number |
| principalAmount | The total amount of uninvested principal cash held in an Account expressed in base and local currency. | number |
| realizedGainLoss | The investment gain realized when an investment is disposed expressed in base and local currency. | number |
| secFees | Security Exchange Commission fees applied to trades expressed in base and local currency. | number |
| totalGainLoss | Combined short term and long term gain loss expressed in the base and local currency. | number |
| otherExpense | | number |

**RESPONSE PAYLOAD MODEL:**

| Name | Description | Data Type(L) |
|---|---|---|
| startDate | Start date of the reporting window. | string |
| endDate | End date of the reporting window. | string |
| reportDataType | Report data type for investment positions. (Closed, Daily) | string |
| dateType | The date criteria for which user wants to filter the transaction details. Ex- ActualSettlementDate, ContractualSettlementDate, EndDate, EntryDate, EventCreatedDate, KnowledgeDate, TradeDate | string |
| id | The SEI system identifier that represents the account or transaction | string |
| name | A single line (up to 60 characters) description of an account. | string |
| externalId | The client specific or external identifier that represents the account recognized by SEI and a third party system or application. Many times the externalId is used to synchronize SEI sourced data with another data source for the same records. | string |
| transactionsCount | Number of transactions per account in the API response | number |
| alternateId | An alternate identifier. In this case it is a unique number or identifier from source accounting system that uniquely identifies this Transaction. | string |
| type | Transaction Type | string |
| description | Transaction description | string |
| tradeDate | Settle Date of Transaction. | string |
| actualSettlementDate | Settle Date of Transaction. | string |

| | | |
|---|---|---|
| contractualSettlementDate | The date the transaction is expected to settle. | string |
| quantity | The quantity of shares reflected in a transaction. | number |
| comment | Free form text field available to user on most transaction types. | string |
| accountId | Account Identifier. | string |
| accountDescription | Account Description. | string |
| cusip | A 9-digit alphanumeric securities identifier assigned by the Committee on Uniform Security Identification Procedures for the purposes of facilitating clearing and settlement of trades. | string |
| isin | The International Securities Identification Number (ISIN) is an alphanumeric code that identifies a specific securities issue. | 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 |
| ticker | A Ticker Symbol used to identify a stock. | string |
| reportDataTypeName | Report data type for investment positions. (Closed, Daily) | string |
| lin | LIN | string |
| investmentId | The SEI system identifier that represents the investment | string |
| investmentName | Name of the investment. | string |
| investmentDescription | Description of the Investment. | string |
| brokerName | The name of the Trading Broker on a transaction. | string |
| currencyIsoName | The currency name of income payments. | string |
| currencyIsoCode | The currency code in which the transaction is paid in | string |
| brokerCommissionAmount | The amount of brokerage commission on a trade expressed in local and base currency. | number |
| costAmount | Total Base or Local Net Cost of the lots being sold or purchased. | number |
| grossAmount | Net Cash Amount of a Transaction Less Traded Accured Interest and Withholding Tax in base and local currency. | number |
| incomePurchaseSoldAmount | Amount of cash paid or received to cover accured interest on a position. Available for base and local currency | number |
| netAmount | Net Cash Amount of a transaction expressed in base and local currency. | number |
| notionalAmount | Notional Exposure Amount in base and local currency | number |
| priceAmount | Price of the transaction expressed in the local and base currency | number |
| principalAmount | The total amount of uninvested principal cash held in an Account expressed in base and local currency. | number |
| realizedGainLoss | The investment gain realized when an investment is disposed expressed in base and local currency. | number |
| secFees | Security Exchange Commission fees applied to trades expressed in base and local currency. | number |
| totalGainLoss | Combined short term and long term Gain Loss expressed in the base and local currency. | number |
| otherExpense | | number |
| totalCount | Total number of records | number |
| limit | Number of records per page | number |
| first | API URL for the first page of data with respect to the request context | string |
| last | API URL for the last page of data with respect to the request context | string |

| previous | API URL for the previous page of data with respect to the request context | string |
|---|---|---|
| next | API URL for the next page of data with respect to the request context | string |
| self | Current Request URL | 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 SEI 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": {
          "startDate": "2019-01-01T00:00:00",
          "endDate": "2019-03-24T23:59:59.999",
          "reportDataType": "Daily Investments",
          "dateType": "EndDate",
          "accounts": [{
               "id": "9999-3-56789",
               "name": "Name_GV_S",
               "externalId": "Test2_GV_S",
               "transactionsCount": 25
          }],
          "transactions": [{
               "id": 348438,
               "accountId": "9999-3-56789",
               "alternateId": 156985,
               "type": "Buy",
               "description": "Buy",
               "tradeDate": "2019-03-20T00:00:00",
               "actualSettlementDate": "2019-03-22T00:00:01",
               "contractualSettlementDate": "2019-03-22T00:00:01",
               "quantity": 139,
               "comment": " ",
               "custodian": {
                    "name": "Charles Schwab",
                    "accountId": 1189,
                    "accountDescription": "9999-3-56789 Name_GV_S"
               },
               "reference": {
                    "cusip": "459200101",
                    "isin": "US4592001014",
                    "sedol": "2005973",
                    "ticker": "IBM",
                    "reportDataTypeName": "Daily Investments",
                    "lin": "",
```

```
                                        "investmentId": 825351,
                                        "investmentName": "INTL BUSINESS MACHINES CORP",
                                        "investmentDescription": "INTL BUSINESS MACHINES CORP",
                                        "brokerName": "JPMALGO",
                                        "currencyIsoName": "United States Dollar",
                                        "currencyIsoCode": "USD"
                            },
                            "base": {
                                        "brokerCommissionAmount": -0.7,
                                        "costAmount": 6563.64,
                                        "grossAmount": -6563.64,
                                        "incomePurchaseSoldAmount": 0,
                                        "netAmount": -6563.64,
                                        "notionalAmount": null,
                                        "priceAmount": 47.2154,
                                        "principalAmount": -6562.9406,
                                        "realizedGainLoss": 0,
                                        "secFees": 0,
                                        "totalGainLoss": 0,
                                        "otherExpense": 0
                            },
                            "local": {
                                        "brokerCommissionAmount": -0.7,
                                        "costAmount": 6563.64,
                                        "grossAmount": -6563.64,
                                        "incomePurchaseSoldAmount": 0,
                                        "netAmount": -6563.64,
                                        "notionalAmount": null,
                                        "priceAmount": 47.2154,
                                        "principalAmount": -6562.9406,
                                        "realizedGainLoss": 0,
                                        "secFees": 0,
                                        "otherExpense": 0
                            }
                }]
        }
}
```

**RESPONSE HEADER:**

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

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