

A collection of APIs that provide information associated with portfolio positions, transactions, and performance.

TAGS: edw, t+1,

ENDPOINT: Balances

ENDPOINT DESCRIPTION: For a given specified reporting period and portfolio view balances and other balance related characteristics.

PROD URL: <https://api.seic.com/v1/portfolio/{externalId}/balances>

TEST URL: <https://test.api.seic.com/v1/portfolio/{externalId}/balances>

TLS URL*: <https://mtls.api.seic.com/v1/portfolio/{externalId}/balances>

*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
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	template
asOfDate	As of business date of the reporting data in YYYY-MM-DD.	string	query
reportingPeriod	The reporting period with valid values Daily, Weekly, Monthly and Quarterly. This mandatory query parameter is used only in a request to retrieve a limited set of positions data.	string	query
id	The unique identifier for an entity such as a calendar, event, document, account, position or tax lot.	string	query
limit	Number of records per page. Many responses have a maximum of 50 records per page.	integer	query

SAMPLE REQUEST:

```
curl -X GET \
  'https://api.seic.com/v1/portfolio/abc123/balances?asOfDate=2019-01-10&reportingPeriod=Daily' \
  -H 'AppKey: gsedgaerhDSHGRSH' \
  -H 'Authorization: Bearer ADsgdnnkjnfIKJN' \
```

REQUEST HEADER:

Authorization: Bearer ADsgdnnkjnfIKJN
 AppKey: gsedgaerhDSHGRSH

RESPONSE PAYLOAD MODEL:

Name	Description	Data Type(L)
product	Indicates the product mnemonic related to the contact relationship.	object
id	The unique identifier for an entity such as a calendar, event, document, account, position or tax lot.	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
name	Name of the report. The user is expected to use the key value pairs returned by this API to construct the payload for POST report generation request.	string
reportingPeriod	The reporting period with valid values Daily, Weekly, Monthly and Quarterly. This mandatory query parameter is used only in a request to retrieve a limited set of positions data.	string
asOfDate	As of business date of the reporting data in YYYY-MM-DD.	string
lastModifiedDate	Transaction level SEI Accounting system generated value representing the last changed date and time stamp	string
marketValue	The total market value of an investment expressed in the base and local currency of the entity.	number
originalCost	The original cost of an investment expressed in base and local currency.	number
unrealizedGainLoss	The total amount of gain or loss that would occur if an investment was sold expressed in the base and local currency of the account. Includes both market gains/losses and FX gains/losses.	string
totalBalances	The total balances for the portfolio over a date range	array
currentCost	Total current cost of the positions for a particular portfolio as of a specific period end date expressed in system currency.	number
amortizedUnrealizedGain	Total (price and FX) Unrealized gain or loss on the position (relative to current cost of the position), expressed in system currency	number
netAccruedIncome	The total net accrued income of a portfolio as of a specific period end date expressed in system currency.	number
grossAccruedIncome	Total gross accrued income of a particular portfolio as of a specific period end date expressed in system currency.	number
baseSettleCash	Total cash that is available as of the settle date of the portfolio for the specified period end date expressed in the system currency.	number
baseCashAccrual	Total cash accruals of the portfolio for the specified period end date expressed in base currency.	number
clientSpecificMarketValue	A client-specific methodology for aggregating a particular value of the portfolio as of a specific period end date.	number
totalPortfolioPositionValue	Portfolio Total Market Value with Net Accrued Income or any cash accruals.	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": {
    "product": {
      "id": "9999-0-10000",
      "externalId": "9999-0-10000"
      "name": "WWC"
    },
    "reportingPeriod": "Daily",
    "totalBalances": [
      {
        "asOfDate": "2019-01-10T00:00:00",
        "lastModifiedDate": "2019-01-19T18:32:02",
        "marketValue": 548624.66,
        "currentCost": 6880817.0933876,
        "originalCost": 6880817.0933876,
        "unrealizedGain&Loss": 2765193.7288346,
        "amortizedUnrealizedGain": 2765193.7288346,
        "netAccruedIncome": 7605.16,
        "grossAccruedIncome": 7605.16,
        "baseSettleCash": -857493.49,
        "baseCashAccrual": 7605.16,
        "clientSpecificMarketValue": 9350791.67
        "totalPortfolioPositionValue": 0
      }
    ]
  },
  "paging": {
    "totalCount": 70,
    "limit": 1,
    "first":
"https://api.seic.com/v1/portfolio/abc123/balances?&asOfDate=2019-01-10&reportingPeriod=Daily&before=MQ==&after=MQ=
=",
    "last":
"https://api.seic.com/v1/portfolio/abc123/balances?&asOfDate=2019-01-10&reportingPeriod=Daily&before=NzA=&after=NzA
=",
    "previous": null,
    "next":
"https://api.seic.com/v1/portfolio/abc123/balances?&asOfDate=2019-01-10&reportingPeriod=Daily&before=Mg==&after=Mg=
=",
    "self":
"https://seidevint.api.seic.com/v1/portfolio/abc123/balances?limit=1&asOfDate=2019-01-10&reportingPeriod=Daily"
  }
}
```

RESPONSE HEADER:

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