

Price Application Program Interface (API)

The URL generally has the form `/api/<resource>/<action>`, which could either retrieve a result or perform some action.

When retrieving a result, the API expects a HTTP GET method, and when performing an action it expects a HTTP POST.

The resource `/api/prices` refer to all the prices in the database.

Successful results are returned as HTTP 200 or 201 responses, with the body containing JSON data. Defined error responses will be in the HTTP 400 range, and undefined server errors in the HTTP 500 range.

Error responses contain the following JSON format:

```
{
  "errors": [
    {
      "description": "<error description>",
      "code": "<error code>",
      "index": <integer>
    }
  ]
}
```

where the error description is a detailed description of the error, and the error code is a short reference of the error.

Index is an optional error field and is present when the request data is an array of objects. It indicates the position of the offending object in the request array.

Supported API calls

Import prices

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1 Import prices

POST: /api/prices/updates

Example request:

```
[
  {
    "fundCode": "COR01",
    "priceDate": "2021-03-10",
    "fundPrice": "1.188230"
  },
  {
    "fundCode": "COREQ",
    "cisName": "Coronation Equity Fund",
    "priceDate": "2021-03-10",
    "fundPrice": "2.288230",
    "buyPrice": "2.288231",
    "sellPrice": "2.288232",
    "benchmarkCode": "MCSI",
    "benchmarkName": "Morgan Stanley Capital International",
    "benchmarkPrice": "2.288100",
    "verifiedBy": "bobg"
  }
]
```

Notes:

- The input must be a JSON array of objects
- Mandatory fields: fundCode, priceDate, fundPrice, ****benchmarkCode & **benchmarkPrice**
- Optional fields: cisName, buyPrice, sellPrice, benchmarkName, verifiedBy
- ****Benchmark prices are only imported if the "Include Benchmark In Price Import and Export" configuration setting is enabled. In this case the benchmarkCode and benchmarkPrice are mandatory.**

JSON response:

HTTP: 201

Empty response or list of errors

Error examples:

HTTP response	Code	Description
400	Malformed request	Field "unknown1" is not supported
400	Malformed request	Field "fundCode" is compulsory
201	ValidateError	Invalid fund XXX
201	Warning	The dealing frequency for the fund COR01 is Daily, and the last price in the system's date is: 2005-05-13. The new price's date should be: 2005-05-16 and not: 2005-05-14
201	Warning	The difference between the new fund price and the previous price is outside the 10.00% allowed tolerance