

Pricing API:

The public api end point for index data is: <http://www.bletchleyindexes.com/api/index>

The end point accepts post requests of the form:

```
{"index":"ETHER_INDEX","currency":"USD","timeFrame":"DAILY"}
```

Where the index can have a value of ETHER_INDEX or EVEN_ETHER_INDEX corresponding to the respective indices.

The currency can have a value of USD (US dollars) or BTC (bitcoin).

The timeFrame can be either DAILY or WEEKLY, which will return data points every few hours for the corresponding time frame.

The responses will take the form:

```
{"index":"ETHER_INDEX","currency":"USD","timeFrame":"DAILY",  
"lastPrice":62.06,"high":62.55,"low":57.95,"prevClose":58.8,"change":3.26,"percentChange":5.54,  
"data":[58.79,58.5, ...], "times":[1506662340000,1506664500000, ...]}
```

The first line is just an echo of the request the server received. The second line is all the summary data. The data array are the actual index prices in the requested currency, for the requested time frame. The times array are the times that correspond to the prices in the data array. The times are in milliseconds from epoch.

Weights API:

Example request:

```
endPoint = "http://www.bletchleyindexes.com/api/weight";
```

```
data = {'index':'TEN'}
```

```
requests.post(endPoint, json=data).text
```

Example response:

```
{  
  "BTC":0.5450559023265176,  
  "BCH":0.06418993185106449,  
  "XRP":0.09343386801419111,  
  "ETH":0.1957691922146598,  
  "XLM":0.01616205190857309,  
  "EOS":0.0180129660188961,  
  "ZEC":0.003199272779442996,  
  "LTC":0.033687264780168154,  
  "DASH":0.012081059394263896,
```

```
"ADA":0.018408490712222836
}
```

Example batch requests:

```
data = {'indexList':['TEN','TWENTY','FORTY']}
```

```
endPoint = "http://www.bletchleyindexes.com/api/weight/list"
```

```
requests.post(endPoint, json=data).text
```

Example batch response:

```
{
  "TWENTY": {
    "BTC": 0.5451929261390461,
    "BCH": 0.06402071519490368,
    "XRP": 0.0935101145488305,
    "ETH": 0.1955369195984767,
    "XLM": 0.01623382227030128,
    "EOS": 0.017956702420485464,
    "ZEC": 0.003204148699652314,
    "LTC": 0.033748350379470875,
    "DASH": 0.012161258714956,
    "ADA": 0.018435042033877164
  },
```

```
  "FORTY": {
    "BTC": 0.5451929261390461,
    "BCH": 0.06402071519490368,
    "XRP": 0.0935101145488305,
    "ETH": 0.1955369195984767,
    "XLM": 0.01623382227030128,
    "EOS": 0.017956702420485464,
    "ZEC": 0.003204148699652314,
    "LTC": 0.033748350379470875,
    "DASH": 0.012161258714956,
    "ADA": 0.018435042033877164
  },
```

```
  "TEN": {
    "BTC": 0.5451929261390461,
    "BCH": 0.06402071519490368,
    "XRP": 0.0935101145488305,
    "ETH": 0.1955369195984767,
    "XLM": 0.01623382227030128,
    "EOS": 0.017956702420485464,
    "ZEC": 0.003204148699652314,
```

```
"LTC": 0.033748350379470875,  
"DASH": 0.012161258714956,  
"ADA": 0.018435042033877164  
}  
}
```

Supported indices are:

```
TEN,  
TEN_EVEN,  
TWENTY,  
TWENTY_EVEN,  
FORTY,  
FORTY_EVEN,  
TOTAL,  
TOTAL_EVEN,  
ETHEREUM,  
ETHEREUM_EVEN,  
CURRENCY,  
PLATFORM,  
APPLICATION
```