Prices API Documentation

MetalMiner℠

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HTTP Basic authentication, you will use your auth token to authenticate:

```
curl
https://indx.metalminerindx.com/api/1/all_prices?token=<my_token>
```

Response example in json format:

```json
{
  "commodities": [
    {
      "collection_date": "2021-06-18",
      "commodity_id": 794,
      "category": "minor metals",
      "type": "cobalt n",
      "origin": "lme",
      "description": "primary cash",
      "unit": "metric ton",
      "value": 44000,
      "currency": "usd",
      "price_future": "spot",
      "USD": 44000,
      "cny": 281503.2,
      "eur": 36682.8,
      "gbp": 31455.6,
      "inr": 3239447.2,
      "jpy": 4874174.8,
      "krw": 49851969.199999996,
      "usd": 44000
    },
    {
      "collection_date": "2021-06-18",
      "commodity_id": 1470,
      "category": "mmi index values",
      "type": "aluminum mmi",
      "origin": "global",
      "description": "na",
      "unit": "index",
      "value": 84.732668,
      "currency": "index",
      "price_future": "spot"
    },

  ]

}
```

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The api services also takes the following arguments:

- **format**: You can set the output format to also be xml by adding &format=xml
- **forecast**: You can retrieve the forecast data by adding &forecast=True

Example output:

```
{
  "commodities": [
    {
      "collection_date": "2022-03-09", "commodity_id": 1430, "category": "non
ferrous metals",
      "type": "aluminum n",
      "origin": "lme",
      "description": "primary 3 month",
      "unit": "metric ton",
      "value": 3516.0,
      "currency": "usd",
      "price_future": "spot",
      "USD": 3516.0,
      "lt_resistance": 2827.0,
      "lt_support": 2553.0,
      "st_resistance": 3457.0,
      "st_support": 3089.0,
      "cny": 22220.0652,
      "eur": 3236.1264,
      "gbp": 2681.3016,
      "inr": 270945.0696,
      "jpy": 405662.016,
      "krw": 4332638.1144,
      "usd": 3516.0}
    ]

}
```

- **currency:** the currency in which "value" and forecast (st_support, st_resistance, lt_support, lt_resistance) fields values are retrieved can be set by adding &currency=usd. Available options: usd, cny, eur, gbp, inr, jpy, krw. All forecast values will be retrieved in that currency for all commodities except for market index values. Also, "currency" field will be updated with the given currency. It can also be used for historical data.
- **historical**: you can retrieve historical data since 2012 by adding &historical=True
- **unit**: API returns commodity prices in their original units unless you set the unit you want to retrieve the data by adding &unit=pound. Available unit options: pound, metric ton, kilogram, ounce, short ton, troy ounce, gross ton, cwt

Response information details:

The API response will retrieve the following data fields for all commodities:

- collection_date: date of the recorded price point for a given commodity
- commodity_id: unique key for each commodity
- category: category of a given commodity. Can be steel, non ferrous metals, precious metals..etc
- type: type of the commodity. Examples are: Aluminum, Nickel, Copper
- origin: origin or location of a given commodity by country or geographical location (United States, China, India..). It can also be associated with the market that issues that commodity price (LME, CME)
- description: description of the form of the commodity.
- unit: unit of measurement in which a commodity is traded and recorded. Options are metric ton, pound, short ton etc. Also it can be "index" when the commodity reported is a market index of several commodities.
- value: price (or value if it is an index commodity) in which the commodity is reported and tracked. Reports price of the commodity in its original currency and unit.
- currency: currency in which a commodity is reported originally. If it is as index price the currency will be "index".
- price_future: states the expiration date of a commodity futures price. If the commodity price is a spot price if will be "spot".

If the commodity is not an index (it has currency and unit), the following fields will also be retrieved:

- USD: commodity price transformed to US Dollar.
- cad: commodity price transformed to Canadian Dollar.
- cny: commodity price transformed to Chinese Yuan.
- eur: commodity price transformed to Euro.
- gbp: commodity price transformed to British Pound.
- inr: commodity price transformed to Indian Rupee.
- jpy: commodity price transformed to Japanese Yen.
- krw: commodity price transformed to South Korean Won.

If you want to retrieve forecast, the following fields will be added to the response for every commodity that has forecast available (it can have available only short term forecast or also long term forecast):

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- st_support: short term support in original currency and unit
- st_resistance: short term resistance in original currency and unit
- lt_support: long term support in original currency and unit
- lt_resistance: long term resistance in original currency and unit

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