# Stock Web Service

**Description**: This web service provides stock data of current price, intraday and a period by handing the request to another stock web service (https://www.worldtradingdata.com). Before handing the request, this web service does parameter checking in order to avoid invalid request because there is a usage limit every day. In addition to the original parameter, the stock web service adds API key and other auxiliary parameters like range and sort before handing the request.

## Current Price

**Description:** Toget the current price and the change of a certain stock

**Path:** /stock/v1/current

**Method:** Get

**Parameter:**

|  |  |  |
| --- | --- | --- |
| **Name** | **Description** | **Example** |
| symbol | name of the stock | AAPL |

**Return:**

|  |  |  |
| --- | --- | --- |
| **Name** | **Description** | **Example** |
| symbol | name of the stock | AAPL |
| price | price of the stock | 267.84 |
| day\_change | price change from previous business day | 3.55 |
| change\_pct | price change percentage from previous business day | 1.34 |

**Example:**

{

"symbol":"AAPL",

"price":"267.84",

"day\_change":"3.55",

"change\_pct": "1.34"

}

## Current Price List

**Description:** Toget the current price and the change of a stock list

**Path:** /stock/v1/current-list

**Method:** Post

**Body Example:**

{"data": [{"symbol": "AAPL"}, {"symbol": "SNAP"}]}

**Return:**

{"data":[

{

"key": 0,

"symbol":"AAPL",

"price":"267.84",

"day\_change":"3.55",

"change\_pct": "1.34",

"name": "Apple Inc"

},

{

"key": 1,

"symbol":"SNAP",

"price":"15.00",

"day\_change":"0.08",

"change\_pct": "0.54",

"name": "Snap Inc"

},

]}

## Intraday

**Description:** Toget the stock price of intraday

**Path:** /stock/v1/intraday

**Method:** Get

**Parameter:**

|  |  |  |
| --- | --- | --- |
| **Name** | **Description** | **Example** |
| symbol | name of the stock | AAPL |
| interval | number of minutes between the data, can only be 1, 2, 5, 60 | 60 |

**note:** recommend using interval = 60

**Return:**

|  |  |  |
| --- | --- | --- |
| **Name** | **Description** | **Example** |
| symbol | name of the stock | AAPL |
| history | contain all the data | See the example |

**note:** recommend using “close” for showing the graph

**Example:**

{

"symbol":"SNAP",

"history":{

"2019-11-27 09:30:00":{

"open":"15.53",

"close":"15.40",

"high":"15.53",

"low":"15.23",

"volume":"3655333"

},

"2019-11-27 10:30:00":{

"open":"15.39",

"close":"15.35",

"high":"15.44",

"low":"15.33",

"volume":"1443253"

},

"2019-11-27 11:30:00":{

"open":"15.35",

"close":"15.34",

"high":"15.39",

"low":"15.33",

"volume":"817315"

},

"2019-11-27 12:30:00":{

"open":"15.34",

"close":"15.36",

"high":"15.39",

"low":"15.33",

"volume":"981766"

},

"2019-11-27 13:30:00":{

"open":"15.36",

"close":"15.37",

"high":"15.40",

"low":"15.34",

"volume":"1189158"

},

"2019-11-27 14:30:00":{

"open":"15.36",

"close":"15.32",

"high":"15.38",

"low":"15.29",

"volume":"1421103"

},

"2019-11-27 15:30:00":{

"open":"15.32",

"close":"15.35",

"high":"15.38",

"low":"15.31",

"volume":"1584668"

}

}

}

## Period

**Description:** Toget the stock price of each day in a period

**Path:** /stock/v1/period

**Method:** Get

**Parameter:**

|  |  |  |
| --- | --- | --- |
| **Name** | **Description** | **Example** |
| symbol | name of the stock | AAPL |
| date\_from | the start of the date | 2019-11-24 |
| date\_to | the end of the date | 2019-11-27 |

**Return:**

|  |  |  |
| --- | --- | --- |
| **Name** | **Description** | **Example** |
| symbol | name of the stock | AAPL |
| history | contain all the data | See the example |

**note:** recommend using “close” for showing the graph

**Example:**

{

"symbol":"AAPL",

"history":{

"2019-11-25":{

"open":"262.71",

"close":"266.37",

"high":"266.44",

"low":"262.52",

"volume":"21029517"

},

"2019-11-26":{

"open":"266.94",

"close":"264.29",

"high":"267.16",

"low":"262.50",

"volume":"26334882"

},

"2019-11-27":{

"open":"265.58",

"close":"267.84",

"high":"267.98",

"low":"265.31",

"volume":"15342229"

}

}

}

## Current Week

**Description:** Toget the stock price of current week

**Path:** /stock/v1/current-week

**Method:** Get

**Parameter:**

|  |  |  |
| --- | --- | --- |
| **Name** | **Description** | **Example** |
| symbol | name of the stock | AAPL |
| interval | number of minutes between the data, can only be 1, 2, 5, 60 | 60 |

**note:** recommend using interval = 60

**Return: (The same as intraday)**

|  |  |  |
| --- | --- | --- |
| **Name** | **Description** | **Example** |
| symbol | name of the stock | AAPL |
| history | contain all the data | See the example |

**note:** recommend using “close” for showing the graph

## Past Week

**Description:** Toget the stock price of past week

**Path:** /stock/v1/past-week

**Method:** Get

**Parameter:**

|  |  |  |
| --- | --- | --- |
| **Name** | **Description** | **Example** |
| symbol | name of the stock | AAPL |
| interval | number of minutes between the data, can only be 1, 2, 5, 60 | 60 |

**note:** recommend using interval = 60

**Return: (The same as intraday)**

|  |  |  |
| --- | --- | --- |
| **Name** | **Description** | **Example** |
| symbol | name of the stock | AAPL |
| history | contain all the data | See the example |

**note:** recommend using “close” for showing the graph

## Month-to-date

**Description:** Toget the month-to-date stock price

**Path:** /stock/v1/month-to-date

**Method:** Get

**Parameter:**

|  |  |  |
| --- | --- | --- |
| **Name** | **Description** | **Example** |
| symbol | name of the stock | AAPL |

**Return: (The same as Period)**

|  |  |  |
| --- | --- | --- |
| **Name** | **Description** | **Example** |
| symbol | name of the stock | AAPL |
| history | contain all the data | See the example |

**note:** recommend using “close” for showing the graph

## Year-to-date

**Description:** Toget the year-to-date stock price

**Path:** /stock/v1/year-to-date

**Method:** Get

**Parameter: (The same as Period)**

|  |  |  |
| --- | --- | --- |
| **Name** | **Description** | **Example** |
| symbol | name of the stock | AAPL |

**Return:**

|  |  |  |
| --- | --- | --- |
| **Name** | **Description** | **Example** |
| symbol | name of the stock | AAPL |
| history | contain all the data | See the example |

**note:** recommend using “close” for showing the graph

## Past 5 years

**Description:** Toget the stock price of past 5 years

**Path:** /stock/v1/past-5-years

**Method:** Get

**Parameter: (The same as Period)**

|  |  |  |
| --- | --- | --- |
| **Name** | **Description** | **Example** |
| symbol | name of the stock | AAPL |

**Return:**

|  |  |  |
| --- | --- | --- |
| **Name** | **Description** | **Example** |
| symbol | name of the stock | AAPL |
| history | contain all the data | See the example |

**note:** recommend using “close” for showing the graph