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# **alpha\_vantage Documentation**

*Release 2.3.1*

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build passing

*Python module to get stock data from the Alpha Vantage API*

The [Alpha Vantage Stock API](#) provides free JSON access to the stock market, plus a comprehensive set of technical indicators. This project is a python wrapper around this API to offer python plus json/pandas support. I hope you enjoy it. It requires a free API, that can be requested on <http://www.alphavantage.co/support/#api-key>. This [stock API article](#) also contains general guidance on ingesting and integrating with market data.

If you are a spreadsheet user, see also: [Microsoft Excel Add-on](#) and [Google Sheets Add-on](#)



# CHAPTER 1

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## Install

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To install the package use:

```
pip install alpha_vantage
```

If you want to install from source, then use:

```
git clone https://github.com/RomelTorres/alpha_vantage.git  
pip install -e alpha_vantage
```





## CHAPTER 2

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### Usage Example

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This is a simple code snippet to get global quotes from the

```
from alpha_vantage.timeseries import TimeSeries
import matplotlib.pyplot as plt

ts = TimeSeries(key='YOUR_API_KEY', output_format='pandas')
data, meta_data = ts.get_intraday(symbol='MSFT', interval='1min', outputsize='full')
data['close'].plot()
plt.title('Intraday Times Series for the MSFT stock (1 min)')
plt.show()
```



## CHAPTER 3

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### Code & Issue Tracker

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The code is hosted in github: [https://github.com/RomelTorres/alpha\\_vantage](https://github.com/RomelTorres/alpha_vantage) And the issue tracker as well: [https://github.com/RomelTorres/alpha\\_vantage/issues](https://github.com/RomelTorres/alpha_vantage/issues)



## CHAPTER 4

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### Contributions

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If you have a feature that you want to see merged in the code, please do a pull request with it and it will be evaluated.



## CHAPTER 5

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### Community Pulse

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- Alpha Vantage used by [Harvard COVID-19 Global Policy Tracker \(link\)](#) and a recent economic review
- Alpha Vantage featured in [Xignite stock API press release](#) and [Best 5 \(Free and Paid\) Stock Market APIs in 2020](#) by NYU's Quantitative Investing project





## CHAPTER 6

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### License

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This project is licensed under the MIT license.



# CHAPTER 7

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## Contents

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- `genindex`
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- `search`

### 8.1 Documentation

To find out more about the available api calls, visit the alpha-vantage documentation at <http://www.alphavantage.co/documentation/>