

# Sample Code

- [Sample Code](#)
- [Client Libraries & Sample Applications](#)
- [Stream API](#)
- [Historical Data](#)
- [Tutorials](#)
- [Books](#)

As well as sample code developed by Betfair, this page allows you to find sample code or documentation prepared by members of the Developer Program community.



If you would like to contribute to this space, please contact [Developer Support](#)



All **Betfair** developed sample code follows a typical work flow:

- Find the next UK Horse Racing Win market
- Get prices for the market
- Place a bet on the market
- Handle the error returned by the API when the bet fails as it is below the minimum stake size.

**Please Note:** In order to aid ease of understanding, the basic Betfair samples are not intended to show certain best practices for speed and throughput. Well designed applications should follow the best practices for client design of the application/language platform and should optimise on an HTTP request level with features such as requesting gzip'd responses and http connection keep alives. Please see [Optimizing API Application Performance](#) for further details.

## Sample Code

The following samples are currently available:

Language	Documentation	Available From	Description	Developed By
Java	<a href="#">Description</a>	<a href="https://github.com/betfair/API-NG-sample-code/tree/master/java">https://github.com/betfair/API-NG-sample-code/tree/master/java</a>	Sample Code for Java	Betfair
Javascript	<a href="#">Description</a>	<a href="https://github.com/betfair/API-NG-sample-code/tree/master/javascript">https://github.com/betfair/API-NG-sample-code/tree/master/javascript</a>	Sample Code for Node.js	Betfair
Python	<a href="#">Description</a>	<a href="https://github.com/betfair/API-NG-sample-code/tree/master/python">https://github.com/betfair/API-NG-sample-code/tree/master/python</a>	Sample Code for Python	Betfair
PHP	<a href="#">Description</a>	<a href="https://github.com/betfair/API-NG-sample-code/tree/master/php">https://github.com/betfair/API-NG-sample-code/tree/master/php</a>	Sample Code for PHP	Betfair
Excel/VBA	<a href="#">Description</a>	<a href="https://github.com/betfair/API-NG-sample-code/tree/master/vba">https://github.com/betfair/API-NG-sample-code/tree/master/vba</a>	Sample Code for Excel/VBA	Betfair
C#	<a href="#">Description</a>	<a href="https://github.com/betfair/API-NG-sample-code/tree/master/cSharp">https://github.com/betfair/API-NG-sample-code/tree/master/cSharp</a>	Sample Code for C#	Betfair
Curl	<a href="#">Description</a>	<a href="https://github.com/betfair/API-NG-sample-code/tree/master/curl">https://github.com/betfair/API-NG-sample-code/tree/master/curl</a>	Sample Curl Requests	Betfair
Perl		<a href="https://github.com/betfair/API-NG-sample-code/tree/master/perl">https://github.com/betfair/API-NG-sample-code/tree/master/perl</a>	Sample Code for Perl	Betfair
Delphi		<a href="https://github.com/jamiei/Betfair-API-NG-Sample">https://github.com/jamiei/Betfair-API-NG-Sample</a>	Sample Code for Delphi	Community member - jamiei
Clojure		<a href="https://github.com/jamiei/betfair-aping-sample">https://github.com/jamiei/betfair-aping-sample</a>	Sample Code for Clojure	Community member - jamiei

## Client Libraries & Sample Applications

Language	Available From	Description	Developed By
C#	<a href="https://github.com/joelpob/betfairng">https://github.com/joelpob/betfairng</a>	API-NG Client Library for c#	Community member - joelpob
Java	<a href="https://github.com/joelpob/jbetfairng">https://github.com/joelpob/jbetfairng</a>	Cleint library for Java	Community member - joelpob
Excel/VBA	<a href="https://github.com/betfair/API-NG-Excel-Toolkit">https://github.com/betfair/API-NG-Excel-Toolkit</a>	Excel Sample Spreadsheet Application	Robin Barrett
Delphi	<a href="https://github.com/betfair/API-NG-Delphi-Client">https://github.com/betfair/API-NG-Delphi-Client</a>	API-NG Client Library for Delphi	Community member - khughes
Javascript	<a href="https://github.com/AlgoTrader/betfair">https://github.com/AlgoTrader/betfair</a>	API-NG Client Library for Node.js	Community member - AlgoTrader
Perl	<a href="https://github.com/MyrddinWyllt/WWW-BetfairNG">https://github.com/MyrddinWyllt/WWW-BetfairNG</a>	Perl Library for API-NG	Community member - Merlin

PHP	<a href="https://github.com/danieledangeli/betfair-php">https://github.com/danieledangeli/betfair-php</a>	API-NG Client Library for PHP	Community member - daniele8805
Ruby	<a href="https://github.com/mikecmpbll/betfair">https://github.com/mikecmpbll/betfair</a>	Ruby wrapper for API-NG	Community member - mikecmpbll
Python	<a href="https://github.com/jmcarp/betfair.py">https://github.com/jmcarp/betfair.py</a>	Python wrapper for API-NG	Community member - jmcarp
Python	<a href="https://github.com/liampauling/betfairlightweight">https://github.com/liampauling/betfairlightweight</a>	Lightweight python wrapper for Betfair API-NG (with streaming)	Community member - LiamP
Scala	<a href="https://github.com/city81/betfair-service-ng">https://github.com/city81/betfair-service-ng</a>	Scala sample code for API-NG	Community member - theswan1
R	<a href="https://github.com/phillc73/abettor">https://github.com/phillc73/abettor</a>	Sample code for R	Community member - phill_c
C++	<a href="https://github.com/captain-igloo/greentop">https://github.com/captain-igloo/greentop</a>	C++ Betfair API Client	Community member - plachner
C++	<a href="https://github.com/tosinalagbe/hedg">https://github.com/tosinalagbe/hedg</a>	High-frequency trading framework for Betfair	Community member - tosin
Rust	<a href="https://docs.rs/botfair/0.3.0/botfair/">https://docs.rs/botfair/0.3.0/botfair/</a>	Rust bindings for the Betfair API	Community member - esotericnonsense

## Stream API

Language	Available From	Description	Developed By
C#	<a href="https://github.com/betfair/stream-api-sample-code/tree/master/csharp">https://github.com/betfair/stream-api-sample-code/tree/master/csharp</a>	Sample application for Stream API	Betfair
Java	<a href="https://github.com/betfair/stream-api-sample-code/tree/master/java">https://github.com/betfair/stream-api-sample-code/tree/master/java</a>	Sample application for Stream API	Betfair
Node.js	<a href="https://github.com/betfair/stream-api-sample-code/tree/master/node.js">https://github.com/betfair/stream-api-sample-code/tree/master/node.js</a>	Sample application for Stream API	Betfair

## Historical Data

Code for processing the data provided by the Betfair Exchange historical data service available via <https://historicdata.betfair.com>

Language	Available From	Description	Developed By
Web Application	<a href="https://www.betfairhistoricdata.co.uk/">https://www.betfairhistoricdata.co.uk/</a>	Simple web application for converting downloaded historical data files to CSV format	Community member - LiamP
Python	<a href="https://github.com/mberk/betfairviz">https://github.com/mberk/betfairviz</a>	Create visualisations of Betfair order books	Community member - mberk
Python	<a href="https://github.com/liampauling/betfairlightweight/tree/master/examples">https://github.com/liampauling/betfairlightweight/tree/master/examples</a>	Parse/output historical data allowing backtesting or with a custom listener, csv creation	Community member - LiamP
Excel/VBA	<a href="https://github.com/betfair/historic-data-workbook">https://github.com/betfair/historic-data-workbook</a>	Simple Excel workbook for use with BASIC <a href="#">historical data</a> Converts files into Excel and provides basic custom reporting tools	Robin Barrett

## Tutorials

Language	Available From	Description	Developed By
R	<a href="https://betfair-datascientists.github.io/api/apiRTutorial/">https://betfair-datascientists.github.io/api/apiRTutorial/</a>	Betfair API R Tutorial	Betfair Australia
Python	<a href="https://betfair-datascientists.github.io/historicData/jsonToCsvTutorial/">https://betfair-datascientists.github.io/historicData/jsonToCsvTutorial/</a>	Historical data - Json to Csv Tutorial using Python	Betfair Australia
Python	<a href="https://betfair-datascientists.github.io/api/apiPythontutorial/">https://betfair-datascientists.github.io/api/apiPythontutorial/</a>	Betfair API Python Tutorial	Betfair Australia

## Books

Language	Available From	Description	Author
Visual Basic	<a href="http://www.amazon.co.uk/Programming-Betfair-Creating-Trading-Applications/dp/151143211X">http://www.amazon.co.uk/Programming-Betfair-Creating-Trading-Applications/dp/151143211X</a>	A Guide to Creating Trading Application for API-NG	James Butler

