



TopBetta API

Version: 1.6

Release Date: 15 November 2016



Summary of Changes

DATE	AUTHOR	DETAILS OF CHANGE	Version	Revision
16 Dec 2015	Thomas Muir	Initial document creation	1.0	1
27 Jan 2016	Thomas Muir	Added with_form flag	1.1	1
01 Feb 2016	Thomas Muir	Added product_code to bets	1.2	1
04 Feb 2016	Thomas Muir	Updated bet with exotic information.	1.3	1
02 Nov 2016	Oliver Shanahan	Update bet placement with new structure	1.4	1
11 Nov 2016	Oliver Shanahan	Add details on products and there ID's	1.5	2
15 Nov 2016	Stephen Oliver	Style update	1.6	1

Table 1: Documentation Control

Copyright and Trademarks

The information in this document is subject to change without notice. This document is intended for the use of TopBetta staff, TopBetta customers or persons having signed an NDA with TopBetta for the purpose of the agreement under which the document has been submitted. No part of this document may be reproduced or transmitted in any form or means without the prior written permission of TopBetta. The document has been written to be used by professional and properly trained personnel and the reader assumes full responsibility when using it. TopBetta welcomes readers' comments as part of the process of continuous development and improvement of the documentation.

The information or statements given in this document concerning the suitability, capacity or performance of the mentioned hardware or software products cannot be considered binding. However, TopBetta has made all reasonable efforts to ensure that the instructions contained in the document are adequate and free of material errors and omissions.

TopBetta liability for any errors in the document is limited to the documentary correction of errors. TopBetta will not be responsible in any event for errors in this document or for any damages, incidental or consequential (including monetary loss), that might arise from the use of this document or the information in it.

This document and the product it describes are considered protected by copyright according to applicable laws.



TABLE OF CONTENTS

1	TopBetta API Overview.....	4
1.1	Requests	4
1.2	Responses.....	4
2	Authentication API	5
2.1	Login	5
2.2	Logout.....	5
3	Racing Data API	6
3.1	Overview.....	6
3.2	Today's Racing	6
3.3	Race with Selections.....	6
3.4	Meeting with races and selections.....	7
4	Sports Data API.....	8
4.1	Overview.....	8
4.2	Sports.....	8
4.3	Competitions	8
4.4	Events	9
4.5	Markets with selections	9
5	TopBetta Betting API	10
5.1	Overview.....	10
5.2	Bet Placement	10
5.3	Recent and active bets	12
6	Appendix	13

1 TopBetta API Overview

The TopBetta API provides endpoints for sports and racing data as well as user authentication endpoints and betting endpoints. It uses JSON for both requests and responses.

1.1 Requests

All POST/PUT request to the TopBetta API must use the JSON format and include the header:

```
Content-Type: application/json
```

1.2 Responses

All responses from the TopBetta API are in a standard format.

1.2.1 Successful Response

A successful response will always return with a http status code of 200.

Example JSON successful response:

```
{
  "timestamp": "2015-12-16 10:48:39",
  "data": {
    "example": "data"
  },
  "http_status_code": 200
}
```

1.2.2 Unsuccessful Response

An unsuccessful response will not return with a http status code of 200.

Example JSON unsuccessful response:

```
{
  "timestamp": "2015-12-16 10:45:47",
  "error_code": null,
  "user_message": null,
  "developer_message": null,
  "errors": "Login failed. Please check username and password",
  "http_status_code": 401
}
```

2 Authentication API

The TopBetta authentication API allows users to securely log in and out of their accounts.

2.1 Login

Authenticates the user.

2.1.1 Login Request

POST /api/v2/authentication/login

JSON Request:

```
{
  "username": "user",
  "password": "password"
}
```

Property	Description	Datatype	Size	Required
username	User's unique username	String	<255	YES
Password	User's account password	String	<255	YES

2.1.2 Login Response

If login is successful a JSON payload will be returned with http status code 200.

An unsuccessful login attempt will return with a http status code of 401.

2.2 Logout

End the current user's session.

2.2.1 Logout Request

GET /api/v2/authentication/logout

2.2.2 Logout Response

A successful logout will return with a http status code of 200. Note that a status code of 200 will also be returned if there is no current user session.

3 Racing Data API

3.1 Overview

The TopBetta racing API provides racing data for both Australian and International races. It provides data on past, present and future races and includes information on meetings, races, runners, runner form, odds and results.

3.2 Today's Racing

The today's racing API endpoint provides meeting and race data for all available races on a particular day. Note that, due to timing of international meetings, when requesting races for a particular date the time covered is 6am that day through to 6am the following day.

3.2.1 Today's Racing Request

GET: /api/external/v2/meetings/races?date=Y-m-d

Property	Description	Datatype	Required
date(optional)	The date to retrieve meetings and races for. Defaults to the current date.	date (Y-m-d)	NO

3.2.2 Today's Racing Response

The today's racing response is an array of meetings each with a nested array of races.

3.3 Race with Selections

The race/selections endpoint provides data for a race and all runners for that race including results for the race, prices and runner form.

3.3.1 Race/Selections Requests

GET: /api/external/v2/race/selections?race_id=11111&with_form=0

Property	Description	Datatype	Required
race_id	The id of the race	Integer	YES
with_form	Flag to include form and last starts data with each selection. Default 0.	Boolean (0 1)	NO

3.3.2 Race/Selections Responses

The race/selections response is a race object with a nested array of selections. Each selection contains properties that define the products that are available to bet on. The id, description and type of these betting products is included in the products array. Each selection may contain a nested runner object which has form data for the runner. The race may also contain a nested results array which contains the race results. Refer to 6 Appendix for examples.

3.4 Meeting with races and selections

The meeting/races/selections endpoint returns all races for a selected meetings and a set of runners for a selected race.

3.4.1 Meeting/Races/Selections Request

GET: /api/external/v2/meeting/races/selections?meeting_id=1111&race_id=1111

Property	Description	Datatype	Required
meeting_id	The id of the meeting selected	Integer	YES
race_id(optional)	The id of the race selected. Defaults to the next to jump race if not provided.	Integer	NO

3.4.2 Meeting/Races/Selections Responses

The meeting/races/selections endpoint returns a meeting object with a nested array of races. The selected race then contains a nested array of runners with prices and form. Races will also contain results if available.

4 Sports Data API

4.1 Overview

The TopBetta sports data API provides data on future events including markets and odds. At the moment data is only provided for upcoming events with open betting markets. The sports data is split into 6 different levels: sports, base competitions (similar to league e.g. NRL Telstra premiership), competitions (similar to rounds), events, markets and selections.

4.2 Sports

The sports endpoint returns all sports that have future events with open markets on TopBetta.

4.2.1 Sports Request

GET: /api/external/v2/sports

4.2.2 Sports Response

The sports endpoint returns an array of sports objects.

4.3 Competitions

The competitions endpoint provides all available competitions and base competitions for a selected sport.

4.3.1 Competitions Requests

GET: /api/external/v2/competitions?sport_id=1111

Property	Description	Datatype	Required
sport_id	The id of the sport to fetch competitions for	Integer	YES

4.3.2 Competition Response

The competitions endpoint returns an array of base competitions each of which contains a nested array of competitions.

4.4 Events

The events endpoint provides all events for a selected competition.

4.4.1 Events request

GET: /api/external/v2/events?competition_id=1111

Property	Description	Datatype	Required
competition_id	The id of the competition to retrieve events for	Integer	YES

4.4.2 Events responses

The events endpoint returns an array of event objects

.

4.5 Markets with selections

The markets/selections endpoint provides all open markets for a selected event with all selections including prices.

4.5.1 Markets/Selections request

GET: /api/external/v2/markets/selections?event_id=1111

Property	Description	Datatype	Required
event_id	The id of the event to fetch markets for	Integer	YES

4.5.2 Markets/Selections response

The markets/selections endpoint return an array of markets. Each market contains an array of selections which includes the selection price.

5 TopBetta Betting API

5.1 Overview

The TopBetta betting API allows an authenticated user to place wagers on available sports and racing. It also provides data on the users current active and recent bets.

5.2 Bet Placement

5.2.1 Bet Placement Request

POST: `/api/external/v2/bets`

Example JSON bet placement request for non-multi eachway bet

```
{
  "bets": [{
    "bet_type": "eachway",
    "amount": 1000
  }],
  "selections": [{
    "id": 7589895,
    "bet_type": "eachway",
    "win_product": 7,
    "place_product": 5,
    "win_dividend": 10,
    "place_dividend": 5
  }],
  "free_credit_flag": false,
  "_tb_source": "TBA"
}
```

Example JSON bet placement request for a single 2 leg multi bet

```
{
  "bets": [{
    "bet_type": "multi",
    "legs": 2,
    "amount": 1000
  }],
  "selections": [{
    "id": 7589895,
    "bet_type": "win",
    "win_product": 10,
    "win_dividend": 10
  }, {
    "id": 7589896,
    "bet_type": "place",
    "place_product": 10,
    "place_dividend": 5
  }],
  "free_credit_flag": false,
  "_tb_source": "TBA"
}
```

Example JSON bet placement request for three 2 leg multi bets (3 combinations of 2)

```
{
  "bets": [{
    "bet_type": "multi",
    "legs": 2,
    "amount": 1000
  }],
  "selections": [{
    "id": 7589895,
    "bet_type": "win",
    "win_product": 10,
    "win_dividend": 10
  }, {
    "id": 7589896,
    "bet_type": "place",
    "place_product": 10,
    "place_dividend": 5
  }, {
    "id": 7589897,
    "bet_type": "win",
    "win_product": 10,
    "win_dividend": 5
  }],
  "free_credit_flag": false,
  "_tb_source": "TBA"
}
```

Property	Description	Datatype	Required
Bets	An array of bets to place. NOTE: only a single bet object is supported at this time. Future updates may support more complex bet structures	Array	YES
amount	The bet amount in cents	Integer	YES
bet_type	The type of bet to place. Available options are win place eachway sport multi. Note for eachway two bets will be placed per runner (win and place).	String	YES
legs	The number of legs in the multi. If the number of legs matches the number of selections, then a single multi bet will be placed. If the number of selections is greater than the number of legs, multiple bets will be placed based on the number of unique combinations. Eg. Legs of 2 and 3 selections will place THREE 2 leg multi bets. Necessary only when the bet type is multi.	Integer	YES (multi bets)
selections	An array of selections. These are the runners that the bet will be placed on. If more than one runner is given a separate bet for each runner will be placed at the given amount.	Array	YES
id	The selection id.	Integer	YES
win_dividend	The win odds the bet is to be placed at. Necessary only when the bet type is sport, win or eachway.	Float	YES (sport, win and eachway)

Property	Description	Datatype	Required
place_dividend	The place odds the bet is to be placed at. Necessary only when the bet type is place or each way.	Float	YES (place and eachway)
win_product	The product id that the bet is to be placed on. The product id's that can be used are found by linking the win_tote or fixed_code on each selection to the products array returned with each selection in a race (see appendix 5.4.1)	Integer	Yes
place_product	The product id that the bet is to be placed on. The product id's that can be used are found by linking the place_tote or fixed_code on each selection to the products array returned with each selection in a race (see appendix 5.4.1)	Integer	Yes
position	Exotic bets only. The runner position in the exotic. If no position is provided the exotic is assumed to be boxed.	Integer	YES (exotics only)
free_credit_flag	If set to true the bet will be placed using the users bonus credit balance. If the bonus credit is not enough to cover the full cost of the bet, the amount remaining will be taken from the users real account balance.	Boolean	YES
_tb_source	A string that defines the source of the request. Provided by TopBetta.	String	YES

5.2.2 Bet Placement Response

If the bet placement is successful an array of bet objects will be returned. The bet objects contain information on the bet amount, the odds it was placed at and the selection.

5.3 Recent and active bets

The recent and active bets endpoint provides information on the user's current bets which have not been resulted as well as currently resulted bets.

5.3.1 Recent and Active bets request

GET: /api/external/v2/active-bets

5.3.2 Recent and Active bets response

The recent and actives bets endpoint returns and array of bet objects containing information on bet result, amount, dividend and the selection the bet was placed on.

6 Appendix

6.1.1 Example Race with Selections Response

```
{
  "timestamp": "2016-11-11 15:03:01",
  "data": {
    "id": 482856,
    "name": "BOOK NOW FOR FESTIVE BUFFET MAID",
    "meeting_name": null,
    "type": "R",
    "start_date": "2016-11-11 15:15:00",
    "number": 2,
    "description": "",
    "class": "MDN",
    "distance": "1000",
    "status": "selling",
    "weather": "FINE",
    "track_condition": "GODD4",
    "results": [],
    "fixed_odds_enabled": true,
    "race_site_link": "/racing/gallops/ipswich/race-2-482856-38810",
    "selections": [{
      "id": 5467976,
      "name": "HIDONAL",
      "number": 1,
      "jockey": "BRIDGET GRILLS",
      "barrier": 9,
      "handicap": null,
      "weight": 59,
      "silk": "/silks/73593.png",
      "last_starts_string": "54x",
      "win_deductions": null,
      "place_deduction": null,
      "type_code": "R",
      "selection_status": "not scratched",
      "apn_fluctuations": "600",
      "topbetta_fluctuations": "700,10100",
      "win_fixed_odds": 8.5,
      "place_fixed_odds": 2.4,
      "win_tote_odds": 12.2,
      "place_tote_odds": 2.9,
      "win_tote": "BO4",
      "place_tote": "MID",
      "fixed_code": "TBF"
    }, {
      "id": 5467977,
```

```
    "name": "CAPTAIN LEO",
    "number": 2,
    "jockey": "JOSH OLIVER",
    "barrier": 4,
    "handicap": null,
    "weight": 58.5,
    "silk": "/silks/46280.png",
    "last_starts_string": null,
    "win_deductions": null,
    "place_deduction": null,
    "type_code": "R",
    "selection_status": "not scratched",
    "apn_fluctuations": "600",
    "topbetta_fluctuations": "850,10100",
    "win_fixed_odds": 11,
    "place_fixed_odds": 2.9,
    "win_tote_odds": 12.9,
    "place_tote_odds": 2.8,
    "win_tote": "BO4",
    "place_tote": "MID",
    "fixed_code": "TBF"
  },
  "products": [{
    "product_id": 7,
    "bet_type": "win",
    "product_code": "BO4",
    "product_name": "Best or SP",
    "fixed": false
  }, {
    "product_id": 6,
    "bet_type": "place",
    "product_code": "MID",
    "product_name": "MID tote",
    "fixed": false
  }, {
    "product_id": 4,
    "bet_type": "quinella",
    "product_code": "SUP",
    "product_name": "Supertab",
    "fixed": false
  }, {
    "product_id": 4,
    "bet_type": "exacta",
    "product_code": "SUP",
    "product_name": "Supertab",
    "fixed": false
  }, {
```

```
        "product_id": 4,
        "bet_type": "trifecta",
        "product_code": "SUP",
        "product_name": "Supertab",
        "fixed": false
    }, {
        "product_id": 4,
        "bet_type": "firstfour",
        "product_code": "SUP",
        "product_name": "Supertab",
        "fixed": false
    }, {
        "product_id": 10,
        "bet_type": "win",
        "product_code": "TBF",
        "product_name": "TopBetta Fixed Odds",
        "fixed": true
    }, {
        "product_id": 10,
        "bet_type": "place",
        "product_code": "TBF",
        "product_name": "TopBetta Fixed Odds",
        "fixed": true
    }
},
"win_tote": "BO4",
"place_tote": "MID",
"quinella_tote": "SUP",
"exacta_tote": "SUP",
"trifecta_tote": "SUP",
"firstfour_tote": "SUP",
"fixed_code": "TBF"
},
"http_status_code": 200
}
```